



B.S. Abdur Rahman  
**Crescent**

Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956

**Accredited with 'A+' grade by NAAC**

**ANNUAL REPORT  
2021 - 22**



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Deemed to be University u/s 3 of the UGC Act, 1956  
GST Road, Vandalur, Chennai 600 048

# **ANNUAL REPORT**

## **2021 - 22**

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## **VISION AND MISSION OF THE INSTITUTION**

### **VISION**

B.S. Abdur Rahman Crescent Institute of Science and Technology aspires to be a leader in Education, Training and Research in multidisciplinary areas of importance and to play a vital role in the Socio – Economic progress of the country in a sustainable manner.

### **MISSION**

- To blossom into an internationally renowned Institute.
- To empower the youth through quality and value – based education.
- To promote professional leadership and entrepreneurship.
- To achieve excellence in all its endeavors to face global challenges.
- To provide excellent teaching and research ambience.
- To network with global institutions of Excellence, Business, Industry and Research organizations.
- To contribute to the knowledge base, through scientific enquiry, applied research and innovation.

## **ADMINISTRATION**

### **FOUNDER**

Alhaj. Dr. B.S. ABDUR RAHMAN

### **CHANCELLOR**

Mr. BSA ARIF BUHARY RAHMAN, M.B.A

### **PRO CHANCELLOR**

Mr. ABDUL QADIR ABDUL RAHMAN BUHARI, B.E., M.B.A.

### **VICE CHANCELLOR**

Dr. A. PEER MOHAMED, B. Tech, M. Tech, PhD

### **REGISTRAR**

Dr. A. AZAD, Ph.D.

Dr. N. RAJA HUSSAIN, Ph.D. (From June 2022)

### **SENIOR GENERAL MANAGER**

Mr. V.N.A. JALAL, B.A., B.L.

### **CONTROLLER OF EXAMINATIONS**

Dr. M. MUNIR AHAMED RABBANI, M.Sc., B. Ed., M. Phil. PGDCA, MCA., Ph.D.

## **ACADEMIC**

### **DEAN (ACADEMIC AFFAIRS)**

Dr. M.S. HAJI SHEIK MOHAMMED, B.E., M.S., Ph.D.

### **DEAN (RESEARCH)**

Dr. I.RAJA MOHAMED, M.Sc., B. Ed., PGDCA, M. Phil., Ph.D.

### **DEAN (STUDENT AFFAIRS)**

Dr. KARTHIKEYAN RAMALINGAM, M.Sc., M.Phil., Ph.D.

**DEAN (SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES)**

Dr. VENKATESANSELVAM, B.E, M.E, Ph.D.

**DEAN (SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES)**

Dr. D.NAJUMNISSA JAMAL, B.E, M.E., Ph.D.

**DEAN (SCHOOL OF INFRASTRUCTURE)**

Dr. VASANTHI PADMANABHAN, M.Tech., Ph.D.

**DEAN (SCHOOL OF MECHANICAL SCIENCES)**

Dr. S. RASOOL MOHIDEEN, B.E., M.E, Ph.D.

**DEAN (CRESCENT SCHOOL OF ARCHITECTURE)**

Prof. G. JAYALAKSHMI, B.Arch., M.Arch.

**DEAN (SCHOOL OF LIFE SCIENCES)**

Dr. S. HEMALATHA, M.Sc., Ph.D.

**DEAN (SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES)**

Dr. S. KUTTI RANI, M.Sc., M.Phil., Ph.D.

**DEAN (SCHOOL OF SOCIAL SCIENCES AND HUMANITIES)**

Dr. AYUB KHAN DAWOOD, M.Com, M.Phil, M.B.A., PGD PM & IR, PhD

**DEAN (CRESCENT SCHOOL OF BUSINESS)**

Dr. K. SRINIVASAN, B.Sc., M.B.A, Ph.D.

**DEAN (SCHOOL OF ARABIC AND ISLAMIC STUDIES)**

Dr. P.S. SYED MASOOD JAMALI, M.A., Ph.D.

**DEAN (CRESCENT SCHOOL OF PHARMACY)**

Dr. M. VIJAYA VARA PRASAD, M.Pharm, PhD

**DEAN (CRESCENT SCHOOL OF LAW)**

Dr. ARAB MOHAMMED SHAMIULLAH, LLB., Ph.D.

**DIRECTOR (INTERNAL QUALITY ASSURANCE CELL)**

Dr. A. ABUDHAHIR, B.E., M.E.E., Ph.D.

**DIRECTOR (DATA CENTRE)**

Dr. LATHA TAMILSELVAN, B.E, M.E., Ph.D.

**DIRECTOR (HUMAN RESOURCES & FACULTY TRAINING AND DEVELOPMENT)**

Dr. NIKHAT M HAMZA, MBA., Ph.D.

**CEO (CRESCENT INNOVATION INCUBATION COUNCIL-CIIC)**

Mr. M. PARVEZ ALAM, BE, MBA, CCIO, RTTP, PMP, ACP, CSSBB, MCTS, CDA, CDAP, DALSM

**DIRECTOR (CENTRE FOR ENERGY, SPONSORED PROJECTS AND CONSULTANCY)**

**DIRECTOR (CENTRE FOR SUSTAINABLE DEVELOPMENT)**

Prof. T. HARINARAYANA, Ph.D. (ISM), Ph.D. (UK)

**DIRECTOR (CENTRE FOR LEADERSHIP)**

Dr. SHANMUGAM MUNUSWAMY, B.Com, M.Com, M. Ed, M.Phil, PhD

**DIRECTOR I/C (INTERNATIONAL RELATIONS)**

Dr. TAKHELLAMBAM ROCKY DEVI, B.Sc., MBA, Ph.D.



## **DIRECTOR (CENTRE FOR INNOVATION IN TEACHING AND LEARNING)**

Dr. C. THARINI, M.E., Ph.D.

## **DIRECTOR I/C (CENTRE FOR DIGITAL MEDIA)**

Dr. SYED MOHSIN ASHFAQUDDIN, B.E, MBA, Ph.D.

## **HEAD OF THE DEPARTMENTS**

### **SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES**

#### **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

Dr. E. SYED MOHAMED, B.E., M.E, Ph.D.

#### **DEPARTMENT OF INFORMATION TECHNOLOGY**

Dr. I. SATHIK ALI, MCA, M.E., Ph. D.

#### **DEPARTMENT OF COMPUTER APPLICATIONS**

Dr. S. PAKKIR MOHIDEEN, MCA, M.E., Ph. D.

#### **DEPARTMENT OF MATHEMATICS AND ACTUARIAL SCIENCES**

Dr. P.S.SHEIK UDUMAN, M.Sc., M.Phil, Ph.D.

### **SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES**

#### **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

Dr. R. JAYASHREE, B.E., M.E, Ph.D.

#### **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Dr. C. THARINI, B.E., M.E, Ph.D.

## **DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Dr. D. NAJUMNISSA JAMAL, B.E., M.E, Ph.D.

## **SCHOOL OF INFRASTRUCTURE**

### **DEPARTMENT OF CIVIL ENGINEERING**

Dr. VASANTHI PADMANABHAN, B.Tech. M.Tech., Ph.D.

## **SCHOOL OF MECHANICAL SCIENCES**

### **DEPARTMENT OF MECHANICAL ENGINEERING**

Dr. H. SIDDIHI JAILANI, B.E., M.E, Ph.D.

### **DEPARTMENT OF AEROSPACE ENGINEERING**

Dr. P.N. KADIRESH, Ph.D.

### **DEPARTMENT OF AUTOMOBILE ENGINEERING**

Dr. P.D. JEYA KUMAR, B.E., M.E, Ph.D.

### **DEPARTMENT OF POLYMER ENGINEERING (In charge)**

Mr. BASANTA KUMAR BEHERA, M.Tech. (Ph.D.) – (July to November 2021)

Dr. REVATHI PURUSHOTHAMAN, M.Sc, Ph.D. (from December 2021)

## **SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES**

### **DEPARTMENT OF PHYSICS**

Dr. M. BASHEER AHAMED, M.Sc., M.Phil., Ph.D.

### **DEPARTMENT OF CHEMISTRY**

Dr. D. EASWARAMOORTHY, M.Sc., Ph.D.

## **SCHOOL OF SOCIAL SCIENCES AND HUMANITIES**

### **DEPARTMENT OF ENGLISH**

Dr. H. SOFIA, M.A., M.Ed., M.Phil., Ph.D.

## **DEPARTMENT OF COMMERCE**

Dr. AFZALUR RAHMAN, M.Com., MBA, ANIIT, Ph.D.

## **CRESCENT SCHOOL OF BUSINESS**

## **DEPARTMENT OF MANAGEMENT STUDIES**

Dr. SHANMUGAM MUNUSWAMY, M.Com. M.Ed, M.Phil, Ph.D

## **OTHER DIVISIONS**

### **LIBRARIAN**

Dr. P. PANNEER SELVAM, M.A., M.L.I.Sc., Ph.D.

### **DIRECTOR (PLACEMENT AND TRAINING CELL, INDUSTRY INSTITUTE PARTNERSHIP CELL, ALUMNI RELATIONS)**

Dr. K.GANESH, MBA., Ph.D.

### **DIRECTOR (PHYSICAL EDUCATION)**

Dr. S. SELVAKUMAR, M.A. M. PEd, M.Phil, M.Sc. (Yoga), MBA, NSNIS. (Cric)  
DNCC.Ph.D

### **PROFESSIONAL COUNSELLOR: CRESCENT PROFESSIONAL COUNSELING CENTRE**

Dr. S. HAMEED KADAR ALI, Ph.D

## **ADMINISTRATION**

The Institution is guided by Mr. B S A Arif Buhary Rahman, Chancellor and Mr. Abdul Qadir Abdul Rahman Buhari, Pro Chancellor and Members of Board of Management. The Institution is headed by Dr. A. Peer Mohamed, Vice Chancellor and Dr. A. Azad, Registrar are making sincere efforts to achieve excellence in Teaching - Learning process, Research, Consultancy and Extension activities. The administration is supported by the Controller of Examinations, Deans, Directors, Head of the Departments, Division Heads, Senior Professors, Faculty members and Non –Teaching staff.

## **ACADEMIC AFFAIRS**

The main objective of the Office of Dean, Academic Affairs is to plan and develop all the academic programmes of the Institute such that it is dynamic, up-to-date, in line with current scientific developments and industrial relevance; and caters to the needs of stakeholders. The office plans the annual academic, technical and co-curricular activities including examination schedule for the holistic development of the students and to face the challenges of the real world. It also manages the implementation of quality improvement practices by the faculty, through proper guidance / motivation based on the feedback from students and other stakeholders. The office helps the students in the redressal of academic related issues with ease by extending full cooperation.

The salient activities of Office of Academic affairs are as follows:

- Formulating new academic programmes.
- Facilitating curriculum and syllabus revision / updation of academic programmes.
- Ensuring quality teaching–learning process through well -structured strategies.
- Monitoring the implementation of internal quality assurance mechanism.
- Monitoring Institute Transformation KPI's.
- Facilitating departments to organize Board of Studies.
- Facilitating the conduct of Academic Council and Academic & Administration Audit, and ensure implementation of resolution.
- Preparing Academic Calendar and facilitate Timetable preparation.
- Facilitating redo/predo courses offered by the Departments.
- Holistically monitoring the academic system of the Institute.
- Redressing academic related student grievances.

### I. Programmes Offered in the AY 2021-22:

B.S. Abdur Rahman Crescent Institute of Science and Technology offered the following programmes in the academic year 2021-22:

S.No	Name of the School	Name of the Department	UG Programmes Offered	PG Programmes Offered
1	School of Infrastructure	Civil Engineering	B.Tech. Civil Engineering	M.Tech. Structural Engineering
				M.Tech. Construction Engineering & Project Management
2	School of Mechanical Sciences	Aerospace Engineering	B.Tech. Aeronautical Engineering	M.Tech. Avionics
		Automobile Engineering	B.Tech. Automobile Engineering	---
		Mechanical Engineering	B.Tech. Mechanical Engineering	M.Tech. CAD-CAM
		Polymer Engineering	B.Tech. Polymer Engineering	---
3	School of Electrical & Communication Sciences	Electrical & Electronics Engineering	B.Tech. Electrical & Electronics Engineering	M.Tech. Power Systems Engineering
		Electronics & Communication Engineering	B.Tech. Electronics & Communication Engineering	M.Tech. VLSI & Embedded Systems
		Electronics & Instrumentation Engineering	B.Tech. Electronics & Instrumentation Engineering	---
4	School of Computer, Information and Mathematical Sciences	Computer Science & Engineering	B.Tech. Computer Science & Engineering	M.Tech. Computer Science & Engineering
			B.Tech. Artificial Intelligence & Data Science	M.Tech. Artificial Intelligence & Data Science
			B. Tech. CSE (Cyber Security)	M.Tech. Data Science
			B. Tech. CSE (IoT)	---
		Information Technology	B.Tech. Information Technology	M.Tech. Information Technology

S.No	Name of the School	Name of the Department	UG Programmes Offered	PG Programmes Offered
		Computer Applications	BCA B.Sc. Computer Science	MCA ---
		Mathematics & Actuarial Science	---	M.Sc. Actuarial Science
		5	School of Life Sciences	B.Tech. Biotechnology
M.Sc. Microbiology	M.Sc. Biochemistry & Molecular Biology			
M.Sc. Biotechnology	M.Sc. Biotechnology			
B.Sc. Biotechnology	M.Sc. Biochemistry & Molecular Biology			M.Sc. Biotechnology
	M.Sc. Biotechnology			M.Sc. Biotechnology
6	Crescent School of Architecture	B.Arch.	M.Arch.	
		B.Des. (Interior Design)		
7	Crescent School of Business	---	MBA	
			MBA (IEV)	
8	School of Physical & Chemical Sciences	Chemistry	M.Sc. Chemistry	
		Physics	M.Sc. Physics	
9	School of Social Sciences & Humanities	Commerce	B.Com. (General)	M.Com.
			B.Com. (Accounts & Finance)	
			B.Com. (Hons.)	
			BBA (General)	
			BBA (Financial Services)	
		English	B.A. English (Hons.)	---
Public Policy	B.A. Public Policy	---		
10	School of Arabic & Islamic Studies		B.A. (Islamic Studies)	M.A. (Islamic Studies)
11	Crescent School of Pharmacy		B.Pharm.	---
12	Crescent School of Law		BBA LLB (Hons.)	---
			B.A. LLB (Hons.)	

## II. Academic Activities:

- Theory classes were conducted online / offline for all the students as per the academic schedule, strictly following the guidelines proposed by concerned statutory authorities.
- The classes for the odd semester of the academic year 2021-22 for the senior students of all UG and PG programmes commenced from 16.08.2021.
- The orientation for the first year students of various programmes were held as follows:

Programme	Dates of Orientation Programme
B.Com., BBA & B.A.	17, 20 and 21 September 2021
BCA & B.Sc.	17 September 2021
B.Tech.	16 September 2021 to 6 October 2021*
Law & Pharmacy	24 September 2021
MBA	27 September 2021
PG programmes	30 September 2021

\* Three week induction programme as per the guidelines of AICTE.

- Laboratory courses were conducted through regular mode in the Institution.
- Class committee meetings were conducted to disseminate information regarding teaching-learning methods and assessment patterns to the students. It was also a forum to get feedback about the effectiveness of the courses and course teacher handling the class.
- Level I and Level II feedback were obtained from all the students on the course and course teacher.
- The Continuous Assessment Tests – I & II for the students of all UG and PG programmes were conducted through online-proctored mode / regular mode based on their availability in the Institution.
- Online Parent – Teacher meeting for the ODD semester 2021-22 was conducted by the Departments through online mode during December 2021.
- Parent – Teacher meeting for the EVEN semester 2021-22 was conducted by the Departments / Schools during May 2022 through online / offline mode.
- The Internal Academic Audit in the Departments viz. Department of Commerce, Department of English, Department of Public Policy, Crescent School of Law and Crescent School of Pharmacy was conducted on 8<sup>th</sup> and 9<sup>th</sup> June 2022.



### III. Academic Calendar and Academic Schedule:

To cope up with the pandemic situations, programme-wise academic schedule was planned to effectively manage the academic activities in the given timeline.

The academic schedule details of various programmes in the odd semester 2021-22, are as follows:

#### **A) Academic Schedule for all UG Engineering Programmes (B.Tech.):**

Academic Activities	I Sem.	III Sem.	V Sem.	VII Sem.
Commencement of Odd Semester 2021-22	16.09.2021	23.08.2021	16.08.2021	16.08.2021
CAT - I begins	22.11.2021	18.10.2021	18.10.2021	18.10.2021
CAT- II begins	03.01.2022	29.11.2021	08.12.2021	15.12.2021
Pending CAT-II Examinations and Semester End Practical Examinations (Regular mode in the Institution)	07.02.2022 To 20.02.2022	-	-	-
Last Instructional day	21.02.2022	15.12.2021	22.12.2021	24.12.2021
Semester End Examinations - Theory (Proctored Online Mode)	23.02.2022 To 04.03.2022	22.02.2022 To 08.03.2022	07.02.2022 To 26.02.2022	08.02.2022 To 18.02.2022
Substitute CAT- I & II Examinations / Pending Sem. End Practical Examinations (Regular mode in the Institution)	10.03.2022 To 12.03.2022	10.03.2022 To 12.03.2022 (if any)	27.12.2021	27.12.2021
Last working day of Odd Semester 2021-22	12.03.2022	12.03.2022	26.02.2022	18.02.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	14.03.2022	14.03.2022	02.03.2022	27.01.2022 (online) 21.02.2022 (regular)

### B) Academic Schedule for all PG Engineering Programmes (M.Tech.):

Academic Activities	I Sem	III Sem
Commencement of Odd Semester 2021-22	16.09.2021	23.08.2021
CAT - I begins	22.11.2021	18.10.2021
CAT - II begins	03.01.2022	29.11.2021
Pending CAT-II Examinations and Semester End Practical Examinations (Regular mode in the Institution)	07.02.2022 To 18.02.2022	-
Last Instructional day	18.02.2022	15.12.2021
Semester End Examinations - Theory (Proctored Online Mode)	22.02.2022 To 08.03.2022	08.02.2022 To 18.02.2022
Substitute CAT- I & II Examinations / Pending Semester End Practical Examinations (Regular mode in the Institution)	10.03.2022 To 12.03.2022	-
Last working day of Odd Semester 2021-22	08.03.2022	12.01.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	14.03.2022	27.01.2022 (online) 21.02.2022 (regular)

### C) UG Programmes (BCA, B.Sc., B.Com., BBA.,BA (English), BA (Public Policy))

Academic Activities	I Sem	III Sem	V Sem
Commencement of Odd Semester 2021-22	16.09.2021	23.08.2021	16.08.2021
CAT - I begins	22.11.2021	18.10.2021	18.10.2021
CAT - II begins	03.01.2022	29.11.2021	08.12.2021
Pending CAT-II Examinations and Semester End Practical Examinations (Regular mode in the Institution)	07.02.2022 To 18.02.2022	-	-
Last Instructional day	13.01.2022	15.12.2021	24.12.2021

Semester End Examinations - Theory (Online Mode)	23.02.2022 To 09.03.2022	08.02.2022 To 23.02.2022	07.02.2022 To 15.02.2022
Substitute CAT- I & II Exams. and Pending Semester End Practical Examinations (Regular mode in the Institution)	10.03.2022 To 12.03.2022	24.02.2022 To 26.02.2022 (if any)	-
Last working day of Odd Semester 2021-22	09.03.2022	23.02.2022	15.02.2022
Commencement of Even Semester Classes (Regular mode in the Institution)	14.03.2022	28.02.2022	18.02.2022

#### D) PG Programmes (MCA, M.Com., M.Sc.,)

Academic Activities	I Sem	III Sem	III Sem (M.Com)
	(MCA &M.Sc.)		
Commencement of Odd Semester 2021-22	16.09.2021	23.08.2021	23.08.2021
CAT - I begins	22.11.2021	18.10.2021	18.10.2021
CAT - II begins	03.01.2022	29.11.2021	29.11.2021
Pending CAT-II Examinations and Semester End Practical Examinations (Regular mode in the Institution)	07.02.2022 To 18.02.2022	-	-
Last Instructional day	13.01.2022	15.12.2021	15.12.2021
Semester End Examinations - Theory (Online Mode)	24.02.2022 To 08.03.2022	08.02.2022 To 18.02.2022	08.02.2022 To 18.02.2022
Substitute CAT- I & II Exams. and Pending Semester End Practical Examinations (Regular mode in the Institution)	10.03.2022 To 12.03.2022	-	-
Last working day of Odd Semester 2021-22	12.03.2022	18.02.2022	18.02.2022
Commencement of Even Semester Classes (Regular mode in the Institution)	14.03.2022	27.01.2022 (online) 21.02.2022 (regular)	21.02.2022

**E) Academic Schedule for the students of B.Des, B.Arch. and M.Arch:**

Academic Activities	UG (B.Des, B.Arch.)		PG (M.Arch.)	
	I Sem.	III, V, VII &IX Semesters	I Sem.	III Sem.
Commencement of Odd Semester 2021-22	01.09.2021	11.08.2021	01.09.2021	11.08.2021
CAT - I begins	04.10.2021	13.09.2021	04.10.2021	13.09.2021
CAT - II begins	15.11.2021	25.10.2021	15.11.2021	25.10.2021
CAT - III begins	08.12.2021	29.11.2021	08.12.2021	29.11.2021
Pending Semester End Examinations - Viva Voce (If any) (Regular mode in the Institution)	10.02.2022 to 14.02.2022	20.12.2021 to 30.12.2021	-	20.12.2021 to 30.12.2021
Last Instructional day	29.12.2021	17.12.2021	29.12.2021	17.12.2021
Semester End Examinations - Theory (Proctored Online Mode)	02.02.2022 to 04.02.2022	02.02.2022 to 04.02.2022	-	-
Last working day of Odd Semester 2021-22	04.02.2022	04.02.2022	19.01.2022	19.01.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	09.02.2022	09.02.2022	02.02.2022	02.02.2022

**F) (i) Academic Schedule for the students of MBA:**

Academic Activities	MBA	
	I Sem.	III Sem.
Commencement of Odd Semester 2021-22	29.09.2021	20.10.2021
Mid Term Test	15.11.2021	01.12.2021
Substitute Examinations - Mid Term (Proctored Online Mode)	01.02.2022	16.02.2022
Last Instructional day	12.01.2022	12.02.2022

Commencement of Semester End Theory Examinations (Proctored Online Mode)	07.02.2022	17.02.2022
Last working day of Odd Semester 2021-22	15.02.2022	02.03.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	16.02.2022	07.03.2022

**(ii) Academic Schedule for first year PG students of MBA (IEV):**

Academic Activities	MBA (IEV)
	I Sem.
Commencement of Odd Semester 2021-22	26.11.2021
Mid Term Test	11.02.2022
Last Instructional day	30.03.2022
Substitute Examinations	01.04.2022
Commencement of Semester End Examinations - Theory	05.04.2022
Last Working day	15.04.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	18.04.2022

**G) Academic Schedule for the students of B. Pharm. Programme**

Academic Activities	I Sem.	III Sem.	V Sem.	VII Sem.
Commencement of Odd Semester 2021-22	24.09.2021	03.09.2021	03.09.2021	03.09.2021
CAT - I begins	15.11.2021	20.10.2021	20.10.2021	20.10.2021
CAT - II begins	31.12.2021	06.12.2021	06.12.2021	06.12.2021
Pending CAT-II Examinations (Regular mode in the Institution)	09.02.2022 To 11.02.2022	-	-	-

Last Instructional day	13.01.2021	18.12.2021	18.12.2021	18.12.2021
Semester End Examinations - Practical (Regular mode in the Institution)	14.02.2022 To 21.02.2022	-	-	-
Semester End Examinations - Theory (Regular mode in the Institution)	23.02.2022 To 07.03.2022	11.02.2022 To 18.02.2022	15.02.2022 To 21.02.2022	11.02.2022 To 16.02.2022
Substitute CAT- I & II Examinations / Pending Semester End Practical Examinations (if any) (Regular mode in the Institution)	10.03.2022 To 12.03.2022	-	-	-
Last working day of Odd Semester 2021-22	12.03.2022	18.02.2022	18.02.2022	18.02.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	14.03.2022	23.02.2022	23.02.2022	18.02.2022

#### H) Academic Schedule for School of Arabic and Islamic Studies

Academic Activities	UG (B.A. Islamic Studies)		PG (M.A. Islamic Studies)	
	I Sem.	III Sem.& V Sem.	I Sem.	III Sem.
Commencement of Odd Semester 2021-22	23.08.2021	02.08.2021	23.08.2021	02.08.2021
CAT - I begins	08.11.2021	04.10.2021	08.11.2021	04.10.2021
CAT - II begins	27.12.2021	25.11.2021	27.12.2021	25.11.2021
Last Instructional day	07.01.2022	15.12.2021	07.01.2022	15.12.2021
Semester End Examinations - Theory (Proctored Online Mode)	07.02.2022 To 17.02.2022	08.02.2022 To 21.02.2022	14.02.2022 To 23.02.2022	14.02.2022 To 23.02.2022

Last working day of Odd Semester 2021-22	17.02.2022	21.02.2022	21.02.2022	21.02.2022
Commencement of Even Semester 2021-22 (Regular mode in the Institution)	28.02.2022	28.02.2022	28.02.2022	28.02.2022

### I) Academic Schedule for MBA & MCS (OL Mode)

Academic Activities	MBA & MCA
Commencement of Odd Semester 2021-22	17.01.2022
Last Instructional day	10.06.2022
Semester End Examinations -Theory	13.06.2022
Last working day of Odd Semester 2021-22	24.06.2022
Commencement of Even Semester 2021-22	04.07.2022

I. The following are the details of the academic schedule for various programmes in the even semester 2021-22:

### F) Academic Schedule for all UG Engineering Programmes (B.Tech.):

Academic Activities	II Sem. & IV Sem.	VI Sem.	VIII Sem.
Commencement of Even Semester 2021-22	14.03.2022	02.03.2022	27.01.2022** 21.02.2022#
CAT - I begins	25.04.2022		-
CAT- II begins	17.06.2022		-
Last Instructional day	02.07.2022		04.06.2022
Practical courses - semester end examinations commences	04.07.2022		-
Substitute examinations commences	29.06.2022		-
Theory courses – semester end examinations commences	13.07.2022		-
Last working day	29.07.2022		10.06.2022
Arrear – semester end examinations commences	13.07.2022		04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022		-

\*\* Commencement of classes in the online mode.

# Commencement of classes in the regular mode in the Institution.

### G) Academic Schedule for all PG Engineering Programmes (M.Tech.):

Academic Activities	II Sem.	IV Sem.
Commencement of Even Semester 2021-22	14.03.2022	27.01.2022** 21.02.2022#
CAT - I begins	25.04.2022	-
CAT- II begins	17.06.2022	-
Last Instructional day	02.07.2022	04.06.2022
Practical courses - semester end examinations commences	04.07.2022	-
Substitute examinations commences	29.06.2022	-
Theory courses – semester end examinations commences	13.07.2022	-
Last working day	29.07.2022	10.06.2022
Arrear – semester end examinations commences	13.07.2022	04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022	-

\*\* Commencement of classes in the online mode.

# Commencement of classes in the regular mode in the Institution.

### H) UG Programmes (BCA, B.Sc., B.Com., BBA.,BA (English), BA (Public Policy))

Academic Activities	II Sem.	IV Sem.	VI Sem.
Commencement of Even Semester 2021-22	14.03.2022	28.02.2022	18.02.2022
CAT - I begins	25.04.2022		04.04.2022
CAT - II begins	17.06.2022		23.05.2022
Last Instructional day	02.07.2022		04.06.2022
Practical courses – semester end examinations commences	04.07.2022		06.06.2022



Substitute examinations commences	29.06.2022	02.06.2022
Theory courses – semester end examinations commences	13.07.2022	13.06.2022
Last working day	29.07.2022	24.06.2022
Arrear – semester end examinations commences	13.07.2022	04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022	-

### I) PG Programmes (MCA, M.Com., M.Sc.,)

Academic Activities	II Sem.	IV Sem.
Commencement of the semester	14.03.2022	27.01.2022** 21.02.2022#
CAT I begins	25.04.2022	04.04.2022 *
CAT II begins	17.06.2022	23.05.2022 *
Last instructional day	02.07.2022	04.06.2022
Substitute examinations commences	29.06.2022	02.06.2022 *
Practical courses / Project work viva voce semester end examinations commences	04.07.2022	06.06.2022
Theory courses – semester end examinations commences	13.07.2022	13.06.2022 *
Last working day	29.07.2022	24.06.2022
Arrear – semester end examinations commences	13.07.2022	04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022	-

\* Except IV sem. MCA & M.Sc. Programmes

\*\* Commencement of classes in the online mode;

# Commencement of classes in the regular mode in the Institution.

**J) Academic Schedule for the students of B. Des, B.Arch. and M.Arch.:**

Academic Activities	UG (B. Des, B.Arch.)		PG (M.Arch.)	
	II, IV, VI & VIII Sem.	X Sem.	II Sem.	IV Sem.
Commencement of Even Semester 2021-22	09.02.2022	02.02.2022	09.02.2022	
CAT - I begins	14.03.2022		14.03.2022	
CAT - II begins	25.04.2022		25.04.2022	
CAT - III begins	23.05.2022		23.05.2022	
Last Instructional day	08.06.2022		08.06.2022	
End semester viva voce examinations commences	13.06.2022 to 24.06.2022	--	13.06.2022 to 24.06.2022	-
Theory courses – semester end examinations commences	27.06.2022	--	27.06.2022	--
Reopening date for the next semester - Odd 2022-23	20.07.2022		20.07.2022	

**F) Academic Schedule for the students of MBA:**

Academic Activities	MBA	
	II Sem.	IV Sem.
Commencement of Even Semester 2021-22	23.02.2022	07.03.2022
Mid Term Test	19.04.2022	19.04.2022
Last Instructional day	17.06.2022	24.06.2022
Substitute Examinations	20.06.2022	27.06.2022
Theory courses – semester end examinations commences	29.06.2022	04.07.2022
Last working day	08.07.2022	14.07.2022
Reopening date for the next semester - Odd 2022-23	22.08.2022	--

### J) Academic Schedule for the students of B. Pharm. Programme

Academic Activities	II Sem.	IV Sem. & VI Sem.	VIII Sem.
Commencement of the semester	14.03.2022	23.02.2022	18.02.2022
CAT I begins	25.04.2022		04.04.2022
CAT II begins	17.06.2022		23.05.2022
Last instructional day	02.07.2022		04.06.2022
Practical courses – semester end examinations commences	04.07.2022		06.06.2022
Substitute examinations commences	29.06.2022		02.06.2022
Theory courses – semester end examinations commences	13.07.2022		13.06.2022
Last working day	29.07.2022		10.06.2022
Arrear – semester end examinations commences	13.07.2022		04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022		-

### K) Academic Schedule for School of Law

Academic Activities	II Sem.	IV Sem.	VI Sem.	VIII Sem.	X Sem.
	BA (LLB), BBA (LLB)			BBA (LLB), B.Com (LLB)	
Commencement of the semester	14.03.2022	28.02.2022	28.02.2022	28.02.2022	18.02.2022
CAT I begins	25.04.2022				04.04.2022
CAT II begins	17.06.2022				23.05.2022
Last instructional day	02.07.2022				04.06.2022

Practical courses – semester end examinations commences	04.07.2022	06.06.2022
Substitute examinations commences	29.06.2022	02.06.2022
Theory courses – semester end examinations commences	13.07.2022	13.06.2022
Last working day	29.07.2022	24.06.2022
Arrear – semester end examinations commences	13.07.2022	04.07.2022
Reopening date for the next semester - Odd 2022-23	10.08.2022	-

#### L) Academic Schedule for School of Arabic and Islamic Studies

Academic Activities	UG (B.A. Islamic Studies)	PG (M.A. Islamic Studies)	
	II, IV & VI Sem.	I Sem.	III Sem.
Commencement of the semester	24.02.2022		
CAT I begins	11.04.2022		
CAT II begins	26.05.2022		
Last instructional day	25.06.2022		
Substitute examinations commences	22.06.2022		
Theory courses – semester end examinations commences	27.06.2022		

Last working day	13.07.2022
Arrear – semester end examinations commences	14.07.2022
Reopening date for the next semester - Odd 2022-23	01.08.2022

By meticulous academic planning & programme-wise schedule; usage of open source and proprietary teaching tools; and effective deployment of CRESCENT LMS / Mastersoft ERP, the syllabus content of all the courses offered through various programmes in the EVEN semester of AY 2021-22 was completed as per respective academic schedule to the satisfaction of students and faculty members with minor revisions.

The Academic Calendar and Academic Schedule 2021-22 was prepared and circulated among the faculty and students. The same was displayed in the institution website for dissemination to stakeholders.

#### **IV. Learning Management System (LMS):**

In the academic year 2021-22, the faculty and students of all the departments were engaged in teaching-learning process through Crescent LMS and Mastersoft ERP

The faculty members used the online portal, for uploading course materials, PPT, videos and audios for the benefit of the students.

The assessment components are also facilitated through Crescent LMS and Mastersoft ERP. Internal components and formative assessments are assigned to students to ensure proper learning.

Students were provided with login and user ID to access the course contents and actively participate in the learning process, in a secured manner, which is also monitored by the respective course teachers.

The following is the abstract of number of courses enrolled and configured in the Odd and Even Semester 2021-2022:

#### **Odd Semester 2021-2022**

S. No.	Description	Number
1	Courses enrolled	<b>877</b>
2	Classes configured	<b>1467</b>

### Even Semester 2021-2022

S. No.	Description	Number
1	Courses enrolled	<b>747</b>
2	Classes configured	<b>1570</b>

#### VI. Entrepreneurship Courses:

As part of the MoU signed with M/s. Wadhvani Foundation, National Entrepreneurship Network (NEN), Bangalore Basic Course in Entrepreneurship were taught to the students of B.Tech. programmes across discipline.

The course Advanced Entrepreneurship was offered as an elective for B.Tech. Students aiming to become real-time entrepreneurs.

The following is the brief account of the activities undertaken through Wadhvani Foundation, National Entrepreneurship Network (NEN):

Month & Year	Social Entrepreneurship Course	Advanced Entrepreneurship Course	Total No. of Students Enrolled
<b>ODD 2021-22</b> July - Dec. 2021	<b>378</b>	<b>28</b>	<b>406</b>
<b>EVEN 2021-22</b> Jan. – June 2022	<b>232</b>	<b>-</b>	<b>232</b>
<b>Total</b>	<b>610</b>	<b>28</b>	<b>638</b>

#### VII. Value-added Courses through IIT Bombay Spoken Tutorial:

The staffs and students of all programmes were encouraged to enroll in value added courses through IIT Bombay Spoken Tutorials portal. The courses help to enrich their knowledge and gather expertise in their areas of interest.

The details of the students enrolled in the courses were given as follows:

Details	Odd Semester (2021-22)	Even Semester (2021-22)
Total number of courses enrolled	18	24
Total number of faculty involved	47	50
Total number of candidates enrolled	2012	2190

### Details of Courses offered during the AY 2020-21:

Our Institute signed a MoU with L&T Edu Tech on 01.02.2022 to offer courses in innovative areas in L&T Edu Tech for our students. As a part of this MoU, the following courses are offered in the Even Semester 2021-22:

Sl. No.	Offered Department	Course Name& Credits	No. of Students
1.	Civil Engineering	Design of Structural Steel Members – 4	40
2.	EEE and E&I	Applied Industrial IoT - 3	53

### VII. Result Analysis:

The results of the examinations during the academic year 2021-22 were analyzed and the details are as follows:

#### ACADEMIC YEAR 2021-22 – ODD SEMESTER

##### UG Programmes:

##### Semester: I

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	40	29	73	7	0	1	3
Aeronautical Engg.	31	28	90	3	0	0	0
Automobile Engg.	19	12	63	6	1	0	0
Mechanical Engg. (A&B)	90	76	84	9	1	0	4
Polymer Engg.	16	11	69	3	1	0	1
Electrical & Electronics Engg.	63	43	68	16	4	0	0
Electronics & Communication Engg. (A&B)	123	111	90	9	3	0	0

Electronics & Instrumentation Engg.	29	24	83	5	0	0	0
Computer Science Engg. (A, B & C)	194	175	90	17	0	2	0
CSE – Cyber Security	60	55	92	5	0	0	0
CSE – Internet of Things	60	56	93	4	0	0	0
Artificial Intelligence & Data Science	60	59	98				
Information Technology	65	59	91	6	0	0	0
Biotechnology	65	60	92	3	1	0	1
<b>TOTAL</b>	<b>915</b>	<b>798</b>	<b>87</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A&B)	54	52	96	2	0	0	0
B.Des.	40	38	95	1	1	0	0
<b>TOTAL</b>	<b>94</b>	<b>90</b>	<b>96</b>				
<b>Pharmacy / Law / Arts &amp; Science Programmes</b>							
B.Pharm.	59	42	71	8	3	4	2
BA LLB (Hons.)	60	55	92	2	1	1	1
BBA LLB (Hons.) (A&B)	113	107	95	3	2	0	1
B.C.A. (CTIS)	54	35	65	9	7	2	1
B.C.A. (DS)	54	53	98	1	0	0	0
B.C.A. (MWAD)	6	6	100	0	0	0	0
B.Sc. (CS)	52	43	83	9	0	0	0
B.Sc. (Biotechnology)	33	26	91	4	1	1	1
B.Com (G) (A,B,C &D)	239	196	82	27	12	2	2
B.Com (A&F) (A&B)	114	78	68	19	6	7	4
B.Com. (Hons.)	60	57	95	3	0	0	0



B.B.A. (General)	59	49	83	5	3	1	1
B.B.A. (F&S)	60	49	82	8	2	0	1
B.A. (Islamic Studies) (A&B)	81	74	91	4	2	0	1
B.A. English (Hons.)	8	7	88	1	0	0	0
<b>TOTAL</b>	<b>1052</b>	<b>877</b>	<b>84</b>				
<b>Overall Total</b>	<b>2061</b>	<b>1765</b>	<b>86</b>				

**Semester: III**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	40	35	88	4	1	0	0
Aeronautical Engg.	23	21	91	1	0	0	1
Automobile Engg.	20	14	70	5	0	1	0
Mechanical Engg. (A & B)	98	78	80	9	6	3	2
Polymer Engg.	22	21	96	1	0	0	0
Electrical & Electronics Engg.	31	24	75	5	2	0	0
Electronics & Communication Engg. (A&B)	61	46	75	3	5	4	3
Electronics & Instrumentation Engg.	6	6	100	0	0	0	0
Computer Science Engg. (A, B & C)	172	147	85	17	7	1	0
CSE – Cyber Security	30	30	100	0	0	0	0
CSE – Internet of Things	24	23	96	1	0	0	0
Artificial Intelligence & Data Science	62	61	98	0	0	1	0
Information Technology	60	58	97	1	1	0	0

Biotechnology	52	47	90	2	3	0	0
<b>TOTAL</b>	<b>701</b>	<b>611</b>	<b>87</b>				
B.Arch. (A&B)	57	51	90	4	2	0	0
B.Des.	37	27	73	6	1	2	1
<b>TOTAL</b>	<b>94</b>	<b>78</b>	<b>83</b>				
<b>Pharmacy / Law / Arts &amp; Science Programs</b>							
B.Pharm.	62	39	63	14	4	3	2
BA LLB (Hons.)	57	50	88	4	0	1	2
BBA LLB (Hons.) (A&B)	92	69	75	17	2	1	3
B.C.A. (CTIS) (A&B)	85	84	99	1	0	0	0
B.C.A. (MAIS)	13	12	92	0	0	0	1
B.C.A. (DS)	56	53	95	1	0	0	2
B.C.A. (MWAD)	10	10	100	0	0	0	0
B.Sc. (CS) (A&B)	85	78	92	4	0	0	3
B.Sc. (Biotechnology)	43	36	84	2	2	3	0
B.Com (G) (A,B,C&D)	242	226	93	12	4	0	0
B.Com (A&F) (A&B)	126	112	89	6	5	2	0
B.Com. (Hons.)	61	57	93	4	0	0	0
B.B.A. (General & EFB)	65	51	79	12	1	0	1
B.B.A. (F&S)	58	47	81	4	5	1	1
B.A. (Islamic Studies) (A&B)	89	71	80	7	2	1	8
B.A. English (Hons.)	12	11	92	1	0	0	0
<b>TOTAL</b>	<b>1156</b>	<b>1006</b>	<b>87</b>				
<b>Overall Total</b>	<b>1951</b>	<b>1695</b>	<b>87</b>				

**Semester: V**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	39	39	100	0	0	0	0
Aeronautical Engg.	28	25	89	1	0	0	2
Automobile Engg.	19	19	100	0	0	0	0
Mechanical Engg. (A & B)	74	70	95	2	0	1	1
Polymer Engg.	30	29	97	0	0	1	0
Electrical & Electronics Engg.	43	39	91	3	0	0	1
Electronics & Communication Engg. (A & B)	86	79	92	2	1	0	4
Electronics & Instrumentation Engg.	10	10	100	0	0	0	0
Computer Science Engg. (A, B & C)	182	178	97	4	0	0	0
Information Technology	57	56	98	1	0	0	0
Biotechnology	41	40	98	0	0	0	1
<b>TOTAL</b>	<b>609</b>	<b>584</b>	<b>96</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A,B)	69	66	96	3	0	0	0
B.Des.	37	30	81	7	0	0	0
<b>TOTAL</b>	<b>106</b>	<b>96</b>	<b>91</b>				
<b>Pharmacy / Law / Arts &amp; Science Programmes</b>							
B.Pharm.	42	36	86	3	0	1	2
B.A. LLB (Hons.)	22	20	91	0	0	0	2
B.B.A. LLB (Hons.)	88	83	94	3	0	0	2

B.C.A. (CTIS) (A & B)	117	95	81	14	4	1	3
B.C.A. (MAIS)	20	17	85	0	3	0	0
B.C.A. (MWAD)	22	16	73	3	1	1	1
B.C.A. (DS)	50	45	90	2	2	0	1
B.Sc. (CS) (A&B)	83	70	84	8	4	1	0
B.Sc. (Biotechnology)	51	39	77	4	5	2	1
B.Com (G) (A,B,C, D )	222	182	82	20	12	3	5
B.Com (A&F) (A&B)	102	84	82	11	2	3	2
B.Com. (Hons.)	65	61	94	3	0	0	1
B.B.A. (General)	62	51	82	6	3	0	2
B.B.A. (EFB)	7	6	86	1	0	0	0
B.B.A. (FS)	33	29	88	2	0	0	2
B.A. (Islamic Studies) (A&B)	109	94	86	10	2	0	3
B.A. English (Hons.)	18	18	100	0	0	0	0
<b>TOTAL</b>	<b>1113</b>	<b>946</b>	<b>85</b>				
<b>Overall Total</b>	<b>1828</b>	<b>1626</b>	<b>89</b>				

**Semester: VII**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech Programmes</b>							
Civil Engg. (A&B)	50	26	52	9	10	1	4
Aeronautical Engg.	30	15	50	10	3	0	2
Automobile Engg.	34	34	100	0	0	0	0
Mechanical (A&B)	121	92	76	20	6	1	2
Polymer Engg.	13	13	100	0	0	0	0

Electrical & Electronics Engg.	24	24	100	0	0	0	0
Electronics & Communication Engg. (A&B)	96	91	95	2	2	0	1
Electronics & Instrumentation Engg.	16	15	94	0	1	0	0
Computer Science Engg. (A, B & C)	175	169	97	5	0	0	1
Information Technology	56	53	95	2	1	0	0
Biotechnology	44	44	100	0	0	0	0
<b>TOTAL</b>	<b>659</b>	<b>576</b>	<b>87</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A)	59	48	81	8	3	0	0
B.Des.	30	30	100	0	0	0	0
<b>TOTAL</b>	<b>89</b>	<b>78</b>	<b>88</b>				
<b>Pharmacy / Law Programmes</b>							
B.Pharm.	65	52	80	6	5	2	0
B.Com. LLB (Hons.)	17	17	100	0	0	0	0
BBA LLB (Hons.)	55	49	89	4	1	1	0
<b>TOTAL</b>	<b>137</b>	<b>118</b>	<b>86</b>				
<b>Overall Total</b>	<b>841</b>	<b>728</b>	<b>87</b>				

**Semester: IX**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Arch. Programme</b>							
B.Arch.	40	29	73	7	2	1	1
<b>Law Programmes</b>							
B.Com. LLB (Hons.)	18	18	100	0	0	0	0
BBA LLB (Hons.)	30	24	80	3	2	1	0
<b>TOTAL</b>	<b>88</b>	<b>71</b>	<b>81</b>				

<b>CONSOLIDATED DETAILS (UG Programmes)</b>	<b>I SEM</b>	<b>III SEM</b>	<b>V SEM</b>	<b>VII SEM</b>	<b>IX SEM</b>
Total no. of students Appeared	2061	1951	1828	841	88
Total no. of students Passed in all subjects	1765	1695	1626	728	71
<b>Over all Pass Percentage</b>	<b>86</b>	<b>87</b>	<b>89</b>	<b>87</b>	<b>81</b>

**PG Programmes:**

**Semester: I**

<b>Programme</b>	<b>Students Appeared</b>	<b>Students Passed</b>	<b>% Pass</b>	<b>Failed in 1 Course</b>	<b>Failed in 2 Courses</b>	<b>Failed in 3 Courses</b>	<b>Failed in more than 3 Courses</b>
<b>M.Tech. / M.Arch. / MCA / MBA Programmes</b>							
Structural Engg.	20	19	95	0	0	0	1
Construction Engg. Project Management (CEPM)	16	16	100	0	0	0	0
CAD-CAM	11	11	100	0	0	0	0
Avionics	2	2	100	0	0	0	0
Power System Engg.	4	4	100	0	0	0	0
VLSI & Embedded Systems	5	5	100	0	0	0	0
Computer Science Engg.	4	4	100	0	0	0	0
Artificial Intelligence & Data Science	3	3	100	0	0	0	0
Biotechnology	18	14	78	1	2	0	1
Food Biotechnology	18	17	95	1	0	0	0
M.Arch.	6	6	100	0	0	0	0
MCA (A & B)	123	118	96	3	0	1	1
M.B.A. (A, B, C & D)	180	162	90	7	9	1	1

<b>M.Sc. Programmes</b>							
M.Sc. (Actuarial Sciences)	26	26	100	0	0	0	0
M.Sc. (Physics)	17	13	77	3	0	0	1
M.Sc. (Chemistry)	40	34	95	2	1	1	2
M.Sc.(Biotechnology)	35	27	79	2	2	2	2
M.Sc.(Microbiology)	19	9	47	4	3	2	1
M.Sc. (Biochemistry & Molecular Biology)	19	17	90	2	0	0	0
<b>Arts Programmes</b>							
M.A. (Islamic Studies)	29	20	69	4	2	1	2
M.Com.	34	33	97	1	0	0	0
<b>TOTAL</b>	<b>629</b>	<b>560</b>	<b>89</b>				

**Semester: III**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>M.Tech. / M.Arch. / MCA / MBA Programmes</b>							
Structural Engg.	11	11	100	0	0	0	0
Construction Engg. Project Management (CEPM)	5	5	100	0	0	0	0
CAD-CAM	4	4	100	0	0	0	0
Avionics	3	3	100	0	0	0	0
Power System Engg.	6	4	67	1	0	1	0
VLSI & Embedded Systems	4	4	100	0	0	0	0
Computer Science Engg.	4	4	100	0	0	0	0

Biotechnology	15	15	100	0	0	0	0
M.Arch.	6	5	83	1	0	0	0
MCA (A & B)	88	83	94	4	1	0	0
M.B.A. (A & B)	136	134	99	1	0	0	1
<b>M.Sc. Programmes</b>							
M.Sc. (Actuarial Sciences)	14	12	86	2	0	0	0
M.Sc. (Physics)	36	33	92	3	0	0	0
M.Sc. (Chemistry)	40	20	50	16	3	0	1
M.Sc.(Biotechnology)	34	31	91	3	0	0	0
M.Sc.(Microbiology)	21	20	95	0	0	0	1
M.Sc. (Biochemistry & Molecular Biology)	8	8	100	0	0	0	0
<b>Arts Programmes</b>							
M.A. (Islamic Studies)	20	19	95	1	0	0	0
M.Com.	16	13	81	0	0	0	3
<b>TOTAL</b>	<b>471</b>	<b>428</b>	<b>91</b>				

**Semester: V**

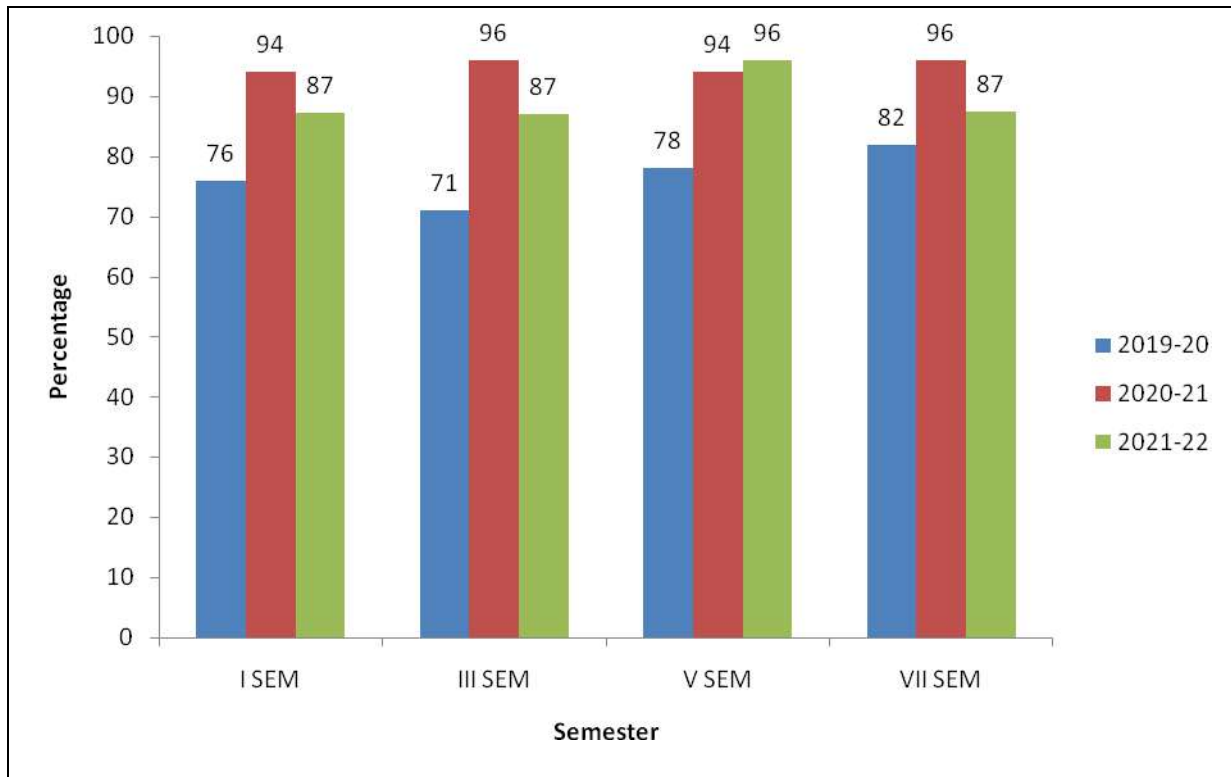
Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
MCA - V sem	3	3	100	0	0	0	0

<b>CONSOLIDATED DETAILS (PG)</b>	<b>I Sem</b>	<b>III Sem</b>	<b>V Sem</b>
Total no. of students Appeared	629	471	3
Total no. of students Passed in all subjects	560	428	3
<b>Over all Pass Percentage</b>	<b>89</b>	<b>91</b>	<b>100</b>



**ANNEXURE: COMPARATIVE ANALYSIS OF RESULTS**

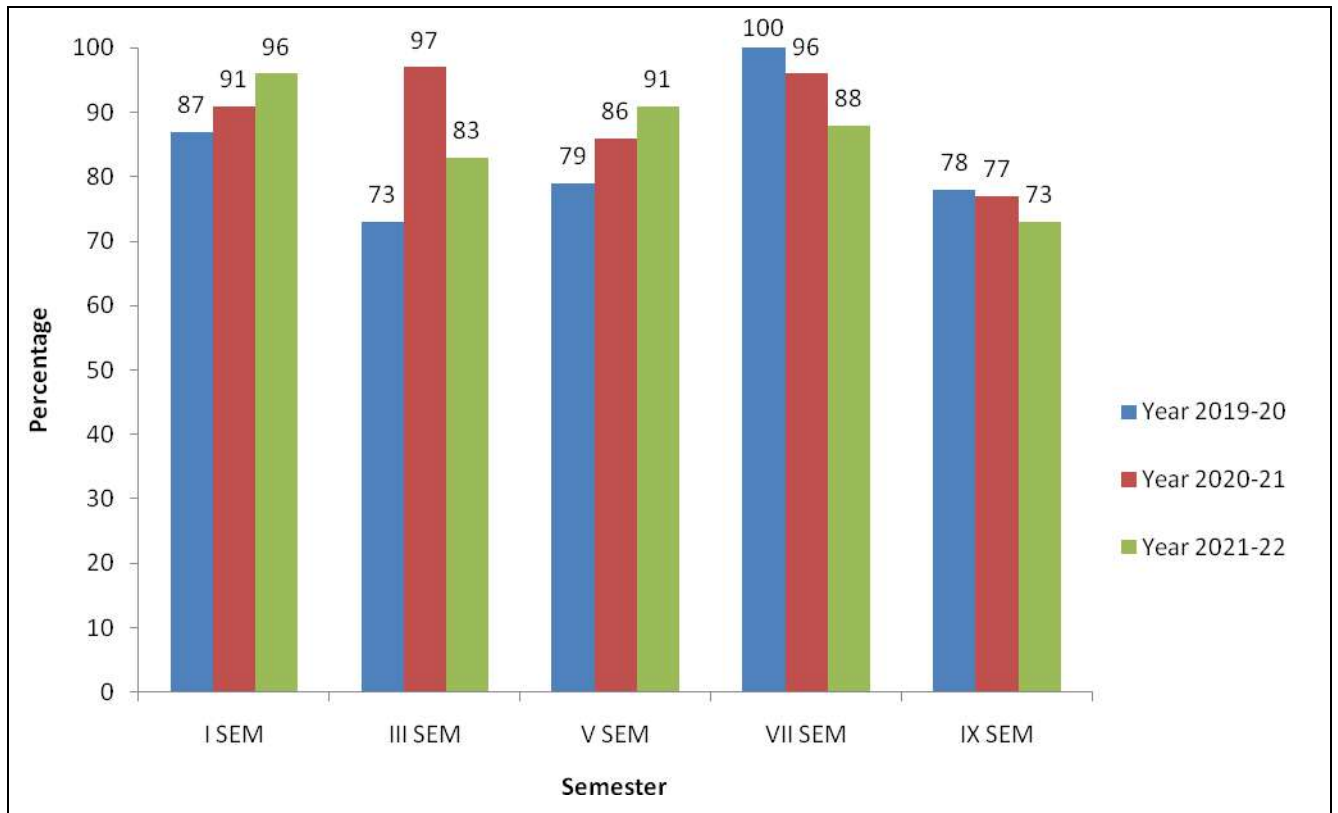
**OVERALL COMPARISON OF ODDSEMESTER RESULTS  
 IN THE AY 2019-20, 2020-21 & 2021-22: B.TECH.PROGRAMMES**



Semester	Year 2019-20	Year 2020-21	Year 2021-22
I	76	94	87
III	71	96	87
V	78	94	96
VII	82	96	87

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
I	586	445	<b>76</b>	498	469	<b>94</b>	915	798	<b>87</b>
III	668	473	<b>71</b>	574	551	<b>96</b>	701	611	<b>87</b>
V	763	590	<b>77</b>	661	620	<b>94</b>	609	584	<b>96</b>
VII	826	674	<b>82</b>	802	773	<b>96</b>	659	576	<b>87</b>

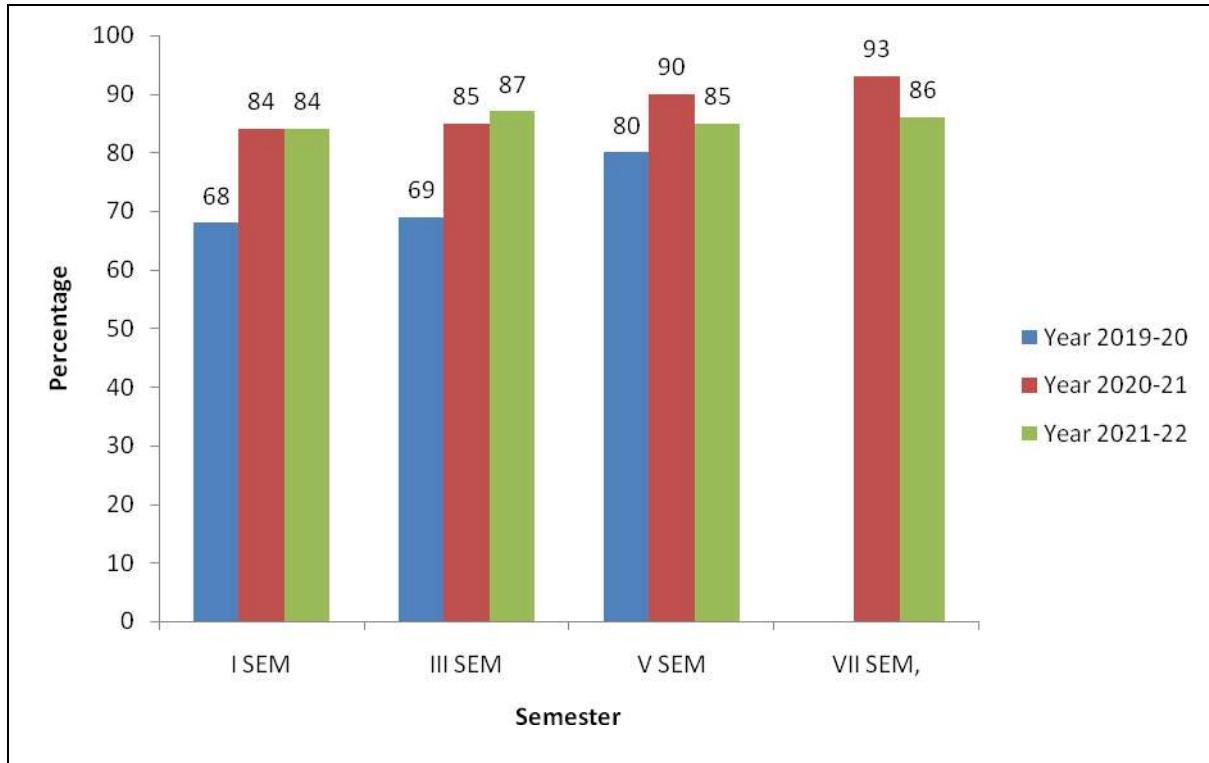
**OVERALL COMPARISON OF ODD SEMESTER RESULTS  
 IN THE AY 2019-20, 2020-21& 2021-22: B.ARCH. AND B.DES. PROGRAMMES**



Semester	Year 2019-20	Year 2020-21	Year 2021-22
I	87	91	96
III	73	97	83
V	79	86	91
VII	100	96	88
IX	78	77	73

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	111	97	87	97	88	91	94	90	96
IV	92	67	73	145	140	97	94	78	83
VI	84	66	79	91	78	86	106	96	91
VIII	75	75	100	75	72	96	89	78	88
X	73	57	78	75	58	77	40	29	73

**OVERALL COMPARISON OF ODD SEMESTER RESULTS  
IN THE AY 2019-20, 2020-21 & 2021-22: Pharmacy / Law / Arts & Science Programmes  
(BA LLB / BBA LLB / B. Pharm. / B.C.A. / B.Sc. / B.Com./ B.B.A./ B.A)**



Semester	Year 2019-20	Year 2020-21	Year 2021-22
I	68	84	84
III	69	85	87
V	80	90	85
VII	NA	93	86

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
I	1002	681	68	1160	950	84	1052	877	84
III	1020	700	69	1089	924	85	1156	1006	87
V	672	535	80	995	896	90	1113	946	85
VII	NA	NA	NA	108	100	93	137	118	86

## ACADEMIC YEAR 2021-22 – EVEN SEMESTER

**UG Programmes:**

**Semester: II**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	38	9	24	11	3	5	10
Aeronautical Engg.	30	15	50	7	3	1	4
Automobile Engg.	19	5	26	4	1	4	5
Mechanical Engg. (A&B)	73	32	44	14	9	6	12
Polymer Engg.	14	7	50	3	1	0	3
Electrical & Electronics Engg.	63	34	54	10	5	5	9
Electronics & Communication Engg. (A&B)	122	64	52	31	6	7	14
Electronics & Instrumentation Engg.	29	19	66	2	0	2	6
Computer Science Engg. (A, B & C)	192	126	66	26	12	12	16
CSE – Cyber Security	60	44	73	6	2	3	5
CSE – Internet of Things	60	34	57	14	6	4	2
Artificial Intelligence & Data Science	60	44	73	6	4	2	4
Information Technology	65	37	57	6	6	1	15
Biotechnology	63	60	95	2	0	0	1
<b>TOTAL</b>	<b>888</b>	<b>530</b>	<b>60</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A&B)	53	38	72	12	3	0	0
B.Des.	40	30	75	6	3	0	1

<b>TOTAL</b>	<b>93</b>	<b>68</b>	<b>73</b>				
<b>Pharmacy / Law / Arts &amp; Science Programmes</b>							
B. Pharm.	59	49	83	2	2	2	4
B.A. LLB (Hons.)	59	23	39	6	6	3	21
BBA LLB (Hons.) (A&B)	106	27	26	14	16	12	37
B.C.A. (CTIS)	52	34	65	8	2	3	5
B.C.A. (DS)	54	39	72	8	4	3	0
B.C.A. (MWAD)	6	6	100	0	0	0	0
B.Sc. (CS)	51	30	59	14	4	1	2
B.Sc. (Biotechnology)	32	19	59	5	2	3	3
B.Com (G) (A,B,C &D)	239	164	69	29	14	11	21
B.Com (A&F) (A&B)	111	66	60	21	10	5	9
B.Com. (Hons.)	60	55	92	4	1	0	0
B.B.A. (General)	59	41	70	8	3	3	4
B.B.A. (F&S)	57	35	61	5	6	3	8
B.A. (Islamic Studies) (A&B)	81	67	83	5	0	2	7
B.A. English (Hons.)	8	6	75	0	0	1	1
<b>TOTAL</b>	<b>1034</b>	<b>661</b>	<b>64</b>				
<b>Overall Total</b>	<b>2015</b>	<b>1259</b>	<b>62</b>				

**Semester: IV**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	39	15	38	6	4	5	9
Aeronautical Engg.	23	12	52	5	1	0	5

Automobile Engg.	20	6	30	2	3	2	7
Mechanical Engg. (A & B)	96	35	37	12	6	12	31
Polymer Engg.	22	12	55	3	3	1	3
Electrical & Electronics Engg.	30	10	33	7	3	3	7
Electronics & Communication Engg.	60	35	58	3	3	4	15
Electronics & Instrumentation Engg.	6	5	83	1	0	0	0
Computer Science Engg. (A, B & C)	172	137	80	17	3	5	10
CSE – Cyber Security	30	26	87	1	3	0	0
CSE – Internet of Things	24	19	79	2	1	0	2
Artificial Intelligence & Data Science	62	50	81	6	1	0	5
Information Technology	60	42	70	11	1	2	4
Biotechnology	52	44	85	3	4	1	0
<b>TOTAL</b>	<b>696</b>	<b>448</b>	<b>64</b>				
B.Arch. (A&B)	57	36	63	11	3	2	5
B.Des.	36	26	72	4	1	3	2
<b>TOTAL</b>	<b>93</b>	<b>62</b>	<b>67</b>				
<b>Pharmacy / Law / Arts &amp; Science Programs</b>							
B. Pharm.	60	29	48	8	8	6	9
B.A. LLB (Hons.)	56	32	57	4	4	3	13
BBA. LLB (Hons.) (A&B)	90	49	54	8	6	8	19
B.C.A. (CTIS) (A&B)	85	60	73	9	5	1	10
B.C.A. (MAIS)	12	10	83	1	0	0	1

B.C.A. (DS)	54	42	78	10	2	0	0
B.C.A. (MWAD)	10	8	80	0	1	1	0
B.Sc. (CS) (A&B)	83	65	78	10	4	2	2
B.Sc. (Biotechnology)	43	34	79	3	3	3	0
B.Com (G) (A,B,C&D)	242	169	70	31	13	19	10
B.Com (A&F) (A&B)	124	91	73	10	11	9	4
B.Com. (Hons.)	60	45	75	4	8	0	3
B.B.A. (General)	64	39	61	13	6	3	3
B.B.A. (F&S)	57	52	91	5	0	0	1
B.A. (Islamic Studies) (A&B)	89	60	67	8	3	6	12
B.A. English (Hons.)	12	11	92	0	1	0	0
<b>TOTAL</b>	<b>1141</b>	<b>796</b>	<b>70</b>				
<b>Overall Total</b>	<b>1930</b>	<b>1306</b>	<b>68</b>				

### Semester: VI

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech. Programmes</b>							
Civil Engg.	39	31	80	2	2	2	2
Aeronautical Engg.	27	18	66	3	0	4	3
Automobile Engg.	19	19	100	0	0	0	0
Mechanical Engg. (A & B)	73	52	71	7	8	3	3
Polymer Engg.	29	21	72	4	2	0	2
Electrical & Electronics Engg.	42	36	86	5	1	0	0
Electronics & Communication Engg. (A & B)	85	69	81	7	2	0	7
Electronics & Instrumentation	10	9	90	1	0	0	0

Engg.							
Computer Science Engg. (A, B &C)	182	167	93	8	2	3	2
Information Technology	57	52	91	4	1	0	0
Biotechnology	39	37	95	0	0	0	2
<b>TOTAL</b>	<b>602</b>	<b>511</b>	<b>85</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A,B)	69	50	73	11	5	2	1
B.Des.	37	37	100	0	0	0	0
<b>TOTAL</b>	<b>106</b>	<b>87</b>	<b>82</b>				
<b>Pharmacy / Law / Arts &amp; Science Programmes</b>							
B. Pharm.	42	35	83	4	1	0	2
B.A. LLB (Hons.)	22	15	68	5	1	0	1
BBA. LLB (Hons.)	90	65	72	8	6	2	9
B.C.A. (CTIS) (A & B)	117	108	92	7	1	1	0
B.C.A. (MAIS)	20	20	100	0	0	0	0
B.C.A. (MWAD)	22	22	100	0	0	0	0
B.C.A. (DS)	50	45	90	5	0	0	0
B.Sc. (CS) (A&B)	83	81	98	2	0	0	0
B.Sc. (Biotechnology)	51	36	71	5	4	2	4
B.Com (G) (A,B,C, D )	220	213	97	5	2	0	0
B.Com (A&F) (A&B)	100	96	96	4	0	0	0
B.Com. (Hons.)	65	58	89	6	1	0	0
B.B.A. (General)	62	59	95	3	0	0	0
B.B.A. (EFB)	7	7	100	0	0	0	0
B.B.A. (FS)	32	28	88	1	1	2	0



B.A. (Islamic Studies) (A&B)	74	71	96	0	0	0	3
B.A. English (Hons.)	18	18	100	0	0	0	0
<b>TOTAL</b>	<b>1075</b>	<b>977</b>	<b>91</b>				
<b>Overall Total</b>	<b>1783</b>	<b>1575</b>	<b>88</b>				

**Semester: VIII**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Tech Programmes</b>							
CivilEngg. (A&B)	50	50	100	0	0	0	0
Aeronautical Engg.	30	30	100	0	0	0	0
Automobile Engg.	34	34	100	0	0	0	0
Mechanical (A&B)	121	121	100	0	0	0	0
Polymer Engg.	13	13	100	0	0	0	0
Electrical & Electronics Engg.	24	24	100	0	0	0	0
Electronics&Communication Engg. (A&B)	96	95	99	1	0	0	0
Electronics &Instrumentation Engg.	16	16	100	0	0	0	0
Computer Science Engg. (A, B & C)	175	175	100	0	0	0	0
Information Technology	56	56	100	0	0	0	0
Biotechnology	44	44	100	0	0	0	0
<b>TOTAL</b>	<b>659</b>	<b>658</b>	<b>99</b>				
<b>B.Arch. / B.Des. Programme</b>							
B.Arch. (A& B)	59	58	98	1	0	0	0
B.Des.	31	30	97	1	0	0	0
<b>TOTAL</b>	<b>90</b>	<b>88</b>	<b>98</b>				
<b>Pharmacy / Law Programmes</b>							
B. Pharm.	65	61	94	4	0	0	0
B.Com. LLB (Hons.)	17	15	88	2	0	0	0
BBA LLB (Hons.)	53	37	70	6	4	4	2
<b>TOTAL</b>	<b>135</b>	<b>113</b>	<b>84</b>				
<b>Overall Total</b>	<b>884</b>	<b>859</b>	<b>97</b>				

**Semester: X**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>B.Arch. Programme</b>							
B.Arch.	39	27	69	8	4	0	0
<b>Law Programmes</b>							
B.Com. LLB (Hons.)	18	18	100	0	0	0	0
BBA LLB (Hons.)	30	30	100	0	0	0	0
<b>TOTAL</b>	<b>87</b>	<b>75</b>	<b>86</b>				

CONSOLIDATED DETAILS (UG Programmes)	I SEM	IV SEM	VI SEM	VIII SEM	X SEM
Total no. of students Appeared	2015	1930	1783	884	87
Total no. of students Passed in all subjects	1259	1306	1575	859	75
<b>Over all Pass %</b>	<b>62</b>	<b>68</b>	<b>88</b>	<b>97</b>	<b>86</b>

**PG Programmes:**

**Semester: II**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>M.Tech. / M.Arch. / MCA / MBA Programmes</b>							
Structural Engg.	19	17	90	0	2	0	0
Construction Engg. Project Management (CEPM)	16	16	100	0	0	0	0
CAD-CAM	10	6	60	2	1	0	1
Avionics	2	2	100	0	0	0	0
Power System Engg.	4	4	100	0	0	0	0

VLSI & Embedded Systems	5	5	100	0	0	0	0
Computer Science Engg.	4	4	100	0	0	0	0
Artificial Intelligence & Data Science	3	3	100	0	0	0	0
Biotechnology	18	17	94	1	0	0	0
Food Biotechnology	17	17	100	0	0	0	0
M.Arch.	6	4	67	1	1	0	0
MCA (A & B)	122	106	87	11	2	1	2
M.B.A. (A, B, C & D)	178	124	70	27	12	9	6
<b>M.Sc. Programmes</b>							
M.Sc. (Actuarial Sciences)	25	18	72	4	1	2	0
M.Sc. (Physics)	16	14	88	0	2	0	1
M.Sc. (Chemistry)	39	22	56	8	4	2	3
M.Sc.(Biotechnology)	34	22	65	9	1	1	1
M.Sc.(Microbiology)	19	9	47	4	3	1	2
M.Sc. (Biochemistry & Molecular Biology)	19	16	84	2	1	0	0
<b>Arts Programmes</b>							
M.A. (Islamic Studies)	29	17	59	1	0	0	11
M.Com.	34	26	76	4	1	1	2
<b>TOTAL</b>	<b>619</b>	<b>469</b>	<b>76</b>				

**Semester: IV**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
<b>M.Tech. / M.Arch. / MCA / MBA Programmes</b>							
Structural Engg.	11	10	91	1	0	0	0
Construction Engg. Project Management (CEPM)	5	5	100	0	0	0	0
CAD-CAM	4	4	100	0	0	0	0
Avionics	3	3	100	0	0	0	0
Power System Engg.	6	5	83	1	0	0	0
VLSI & Embedded Systems	4	4	100	0	0	0	0
Computer Science Engg.	4	4	100	0	0	0	0
Information Technology	5	5	100	0	0	0	0
Biotechnology	15	15	100	0	0	0	0
M.Arch.	6	5	83	1	0	0	0
MCA (A & B)	88	86	98	2	0	0	0
M.B.A. (A, B & C)	172	152	88	15	4	1	0
<b>M.Sc. Programmes</b>							
M.Sc. (Actuarial Sciences)	14	14	100	0	0	0	0
M.Sc. (Physics)	36	36	100	0	0	0	0
M.Sc. (Chemistry)	39	39	100	0	0	0	0
M.Sc.(Biotechnology)	33	33	100	0	0	0	0
M.Sc.(Microbiology)	19	18	95	1	0	0	0
M.Sc. (Biochemistry & Molecular Biology)	8	8	100	0	0	0	0
<b>Arts Programmes</b>							

M.A. (Islamic Studies)	20	20	100	0	0	0	0
M.Com.	14	14	100	0	0	0	0
<b>TOTAL</b>	<b>506</b>	<b>480</b>	<b>95</b>				

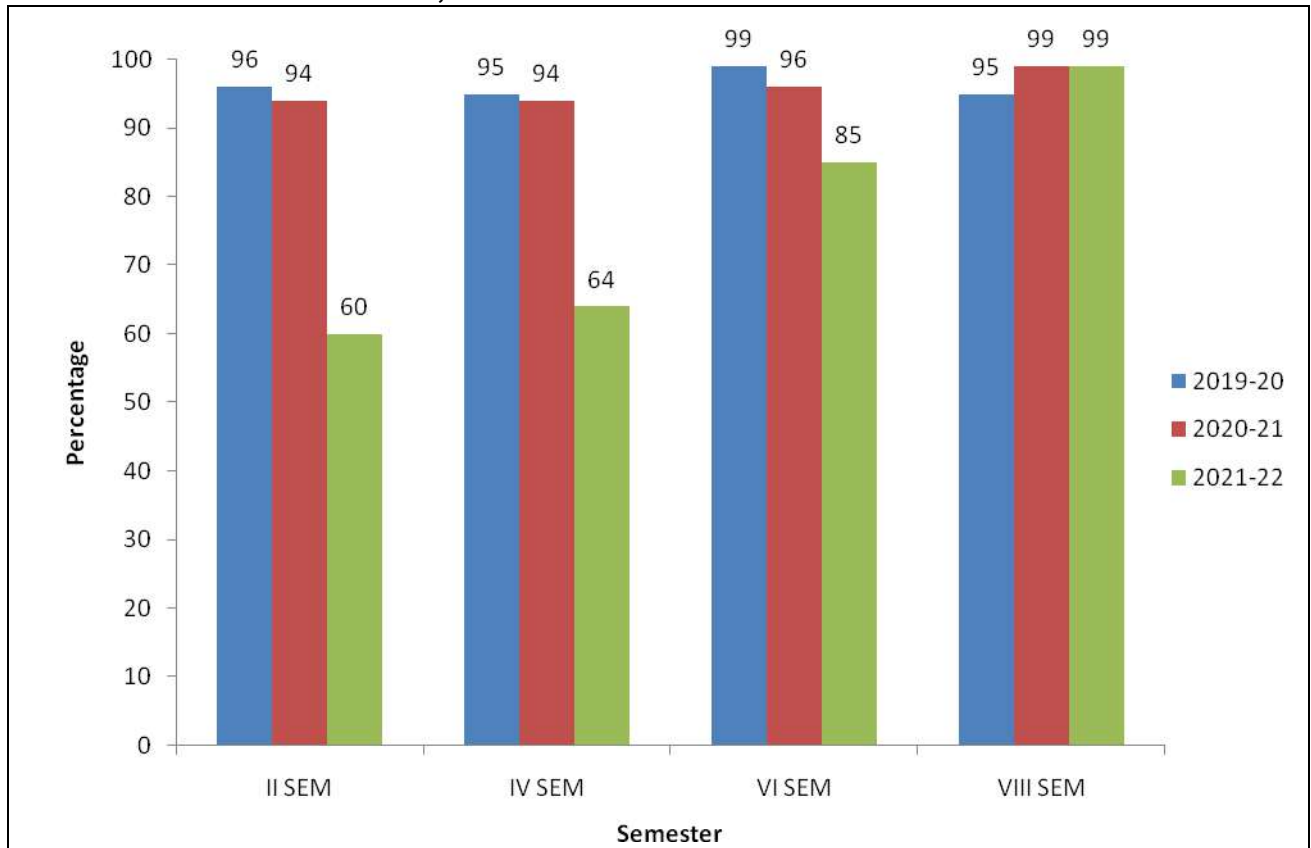
**Semester: VI**

Programme	Students Appeared	Students Passed	% Pass	Failed in 1 Course	Failed in 2 Courses	Failed in 3 Courses	Failed in more than 3 Courses
MCA - VI sem	3	3	100	0	0	0	0

<b>CONSOLIDATED DETAILS (PG)</b>	<b>II Sem</b>	<b>IV Sem</b>	<b>VI Sem</b>
Total no. of students Appeared	619	506	3
Total no. of students Passed in all subjects	469	480	3
<b>Over all Pass Percentage</b>	<b>76</b>	<b>95</b>	<b>100</b>

## ANNEXURE: COMPARATIVE ANALYSIS OF RESULTS

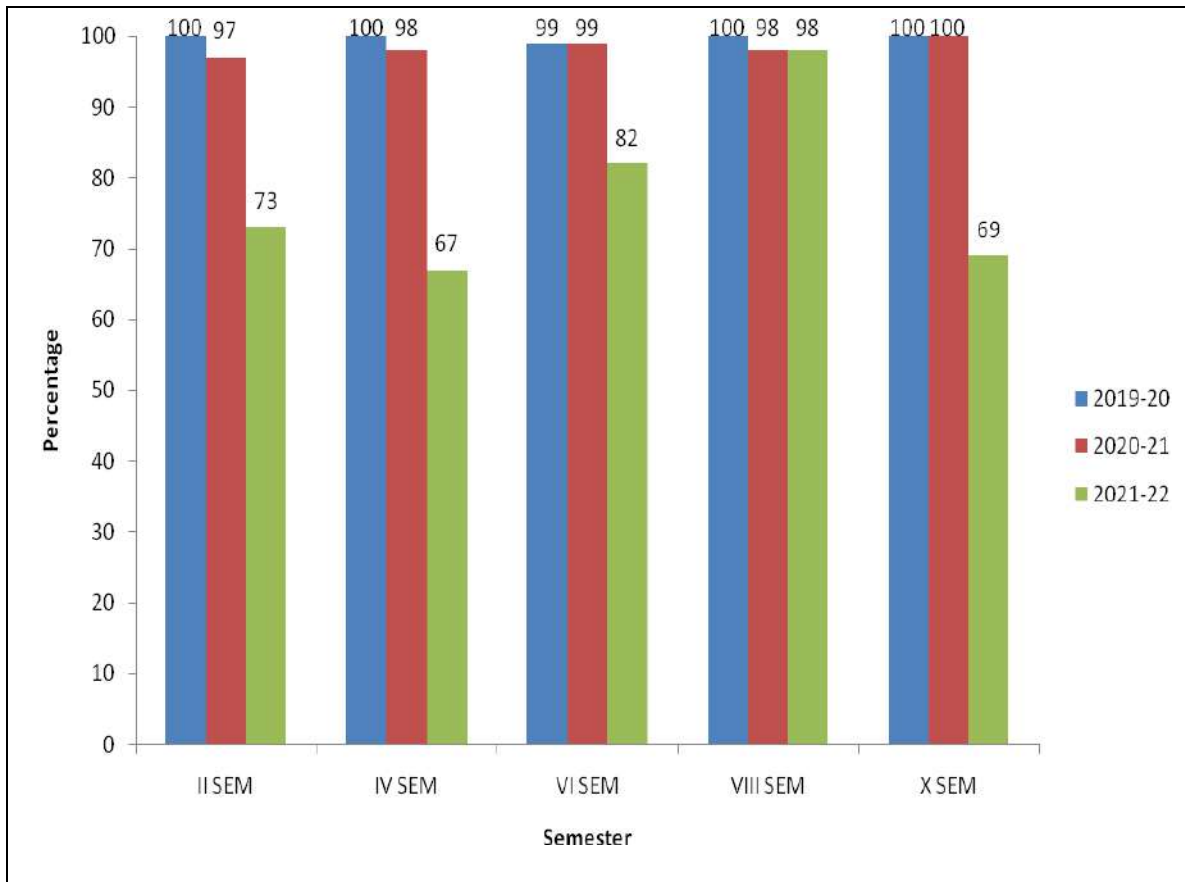
### OVERALL COMPARISON OF EVENSEMESTER RESULTS IN THE AY 2019-20, 2020-21 & 2021-22: B.TECH.PROGRAMMES



Semester	Year 2019-20	Year 2020-21	Year 2021-22
II	96	94	60
IV	95	94	64
VI	99	96	85
VIII	95	99	99

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	581	560	96	491	466	94	888	530	60
IV	663	633	95	610	574	94	696	448	64
VI	801	789	99	659	631	96	602	511	85
VIII	831	786	95	802	799	99	659	658	99

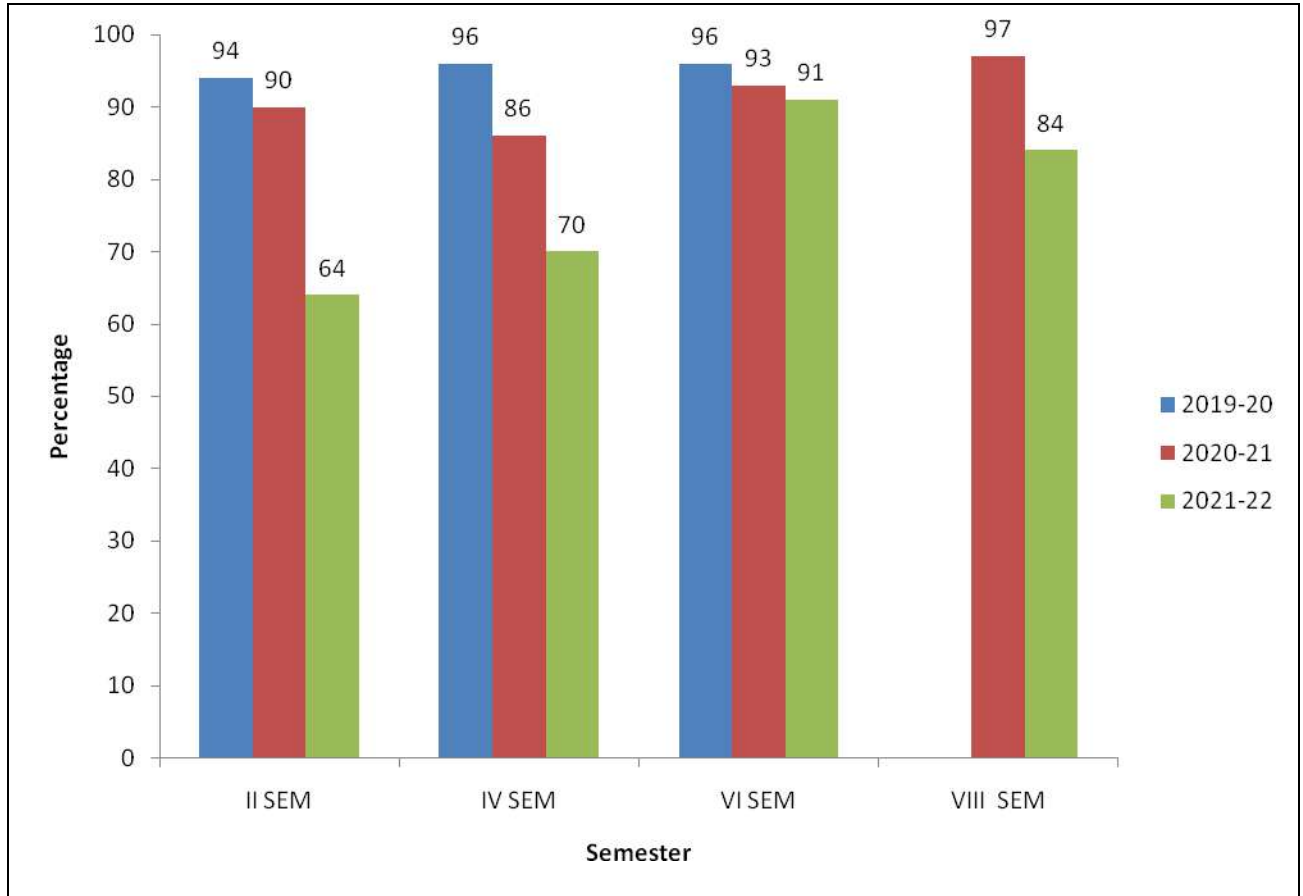
### OVERALL COMPARISON OF EVEN SEMESTER RESULTS IN THE AY 2019-20, 2020-21& 2021-22: B.ARCH. AND B.DES. PROGRAMMES



Semester	Year 2019-20	Year 2020-21	Year 2021-22
II	100	97	73
IV	100	98	67
VI	99	99	82
VIII	100	98	98
X	100	100	69

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	110	110	100	94	91	97	93	68	73
IV	91	91	100	107	105	98	93	62	67
VI	83	82	99	90	89	99	106	87	82
VIII	75	75	100	83	81	98	90	88	98
X	73	73	100	73	73	100	39	27	69

**OVERALL COMPARISON OF EVENSEMESTER RESULTS  
 IN THE AY 2019-20, 2020-21 & 2021-22: Pharmacy / Law / Arts & Science Programmes  
 (BA LLB / BBA LLB / B. Pharm. / B.C.A. / B.Sc. / B.Com./ B.B.A./ B.A)**



Semester	Year 2019-20	Year 2020-21	Year 2021-22
II	94	90	64
IV	96	86	70
VI	96	93	91
VIII	NA	97	84

Semester	Year 2019-20			Year 2020-21			Year 2021-22		
	Appeared	Passed	Pass %	Appeared	Passed	Pass %	Appeared	Passed	Pass %
II	948	888	94	1149	1029	90	1034	661	64
IV	864	827	96	1085	936	86	1141	796	70
VI	612	590	96	1003	937	93	1075	977	91
VIII	NA	NA	NA	107	104	97	135	113	84



### VIII. Important events and activities:

The following are the statutory body meetings organized during the academic year 2021-22 and the details are as follows:

S. No.	Name of the Programme	Date
1.	Award of Appreciation Ceremony - IIT Bombay Spoken Tutorial - Academic year 2020 - 21.	03.06.2022
2.	Orientation Programme on Academic Activities at Crescent for newly inducted faculty of Crescent School Law	02.02.2022
3.	Orientation Programme on Academic Activities at Crescent for newly inducted faculty of B A Public Policy	07.01.2022
4.	Orientation Programme for Freshers of B.A. Public Policy on Academic Structure and Regulations	11.10.2021
5.	Online Orientation Programme for Freshers of PG Programmes	30.09.2021
6.	Online Orientation Programme for Freshers of B.A. Public Policy	27.09.2021.
7.	Online Orientation programme for Freshers of Crescent School of Law and Crescent School of Pharmacy	24.09.2021
8.	Online Orientation Programme for Freshers of B.Com., BCA, BBA, B.A., and B.Sc. Programmes	17.09.2021
9.	3 week online Orientation Programme/ Student Induction Programme (SIP) for first year B.Tech. students	16.09.2021 - 06.10.2021
10.	Online Orientation Programme for Freshers of B.Tech Programme	16.09.2021
11.	Online Orientation Programme for Freshers of B.Arch., B.Des. & and M.Arch. Programmes	15.09.2021
12.	Training Programme for newly inducted faculty members in association with Faculty Training Academy.	02.06.2021.

These meetings have been instrumental in providing inputs for evolving the curricula and syllabi of various programmes to meet the needs of the industry, technological advancements, market trends and societal requirements.

Academic Meetings	Dates
Meeting of Board of Studies of various Departments	May – June 2021 November 2021 – January 2022
Standing committee meeting of the 17 <sup>th</sup> Academic Council	10 <sup>th</sup> July 2021
17 <sup>th</sup> meeting of the Academic Council	15 <sup>th</sup> July 2021
Standing committee meeting of the 18 <sup>th</sup> Academic Council	21 <sup>st</sup> February 2022
18 <sup>th</sup> meeting of the Academic Council	24 <sup>th</sup> February 2022

#### **IX. Events / Sessions organized / conducted:**

Frequent meetings were held with the Deans, Directors and Heads of the Departments to review the teaching – learning process, for discussion on developmental plans and to review the measures taken to implement quality initiatives.

These meetings were scheduled as listed below:

S.No.	Details of Meeting	Date
1	Meeting of Deans, Directors and HoDs chaired by the - Vice Chancellor	04.08.2021
2	Meeting of Deans, Directors and HoDs chaired by the Vice Chancellor	27.08.2021
3	Meeting of Deans, Directors and HoDs chaired by the Vice Chancellor	24.09.2021

4	Meeting of School Deans chaired by the Registrar	16.11.2021
5	Meeting of School Deans chaired by the Dean (AA)	17.12.2021
6	Meeting of Deans and HoDs	03.12..2021
7	Meeting of Deans, Directors and HoDs	08.02.2022
8	Meeting of Deans, Directors and HoDs chaired by the Registrar	05.04.2022
9	Meeting of Deans, Directors and HoDs	19.05.2022

## ACADEMIC RESEARCH

### Abstract

B.S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST) a **“Research Intensive Institution”** lays greater emphasis on Academics and Research in its endeavor to become a premier Institute contributing to the Scientific and Technological Development of our Country. As reflected in the vision statement of the Institute, research remains one of the significant areas of focus. The Institution has a well-established administrative structure to ensure quality research. The Research Advisory Committee and Research Board comprising eminent researchers in the field of Science, Engineering, and Technology give directions to the overall research activities of the Institute.

The Institute offers Ph.D. programmes through various Departments / Schools. Out of **485** faculty members, **318** have Ph.D. qualifications, and **43** are pursuing Ph.D. in BSACIST. Currently, **479** research scholars are on-roll, and **214** scholars have been awarded the Ph.D. degree. Other **13** scholars are awaiting their Viva-Voce. The Institution offers JRF, SRF fellowships to **39** research scholars to promote quality research, and **03** scholars secure fellowships from government funding agencies such as DST / UGC / MANF/ ICMR, **03** scholars received Post-Doctoral Fellowships. **Earn while you learn scheme** is another milestone introduced to benefit all full-time research scholars who are not receiving any fellowships. At present, **42** scholars are being benefited from this scheme.

The progress made in the research front after becoming Deemed to be University is commendable. The Scopus **h-index** of this Institution is currently **71**, which increased from 11 in the year 2008. More than **6613** research publications have been made in refereed journals and conference proceedings.

The departments are equipped with state-of-the-art equipment and software for carrying out research. The annual budget for the departments includes a separate head, “R&D,” and adequate funds are sanctioned to strengthen and enhance the facilities.

The library has over 17,000 e-journals, including IEEE, ASME, ASCE, Springer, Elsevier, Emerald, Proquest etc., and a good collection of Open Access Journals and can be remotely accessed from anywhere.

## Glimpse of Research Board Meetings

The Research Board formulates and updates research policies per the UGC regulations, recommends eligible faculty members as recognized research supervisors, and adopts strategic decisions to improve research output.

During the academic year 2022, **four (4)** Research Board meetings were conducted. A glimpse of the Research Board Meetings - 2022 are as follows:

### 45<sup>th</sup> RBM Meeting held on 25<sup>th</sup> Jan 2022

- To discuss the email representation of Research scholars (FT) on the circular issued, based on the recommendation of Research Board members in the previous meeting for Ph.D. degree format.

### 46<sup>th</sup> RBM Meeting held on 23<sup>rd</sup> June 2022

- Scrutiny of applications selected for admission into Ph.D. programme – July 2022 session.
- Scrutiny of applications submitted under Approved Research Supervisorship.
- Increase of BSA Research Fellowship (JRF / SRF) for Science Stream Research Scholars

### 47<sup>th</sup> RBM Meeting held on 30<sup>th</sup> Aug 2022

- To finalize and recommend Research Incentives for the Quality publications to the faculty members for the year 2021.
- To finalize the draft Ph.D. Regulations 2022.

### 48<sup>th</sup> RBM Meeting held on 1<sup>st</sup> Dec 2022

- Adoption of UGC (Minimum standards & procedures for award of Ph.D. degree) Regulations 2022
- To finalize the Research Incentive Policy

## Research Scholars @ BSACIST

The scholars were admitted to the Ph.D. programme (full-time / part-time) based on the written test and interview conducted by the respective Departments / Schools. The status of the research scholars pursuing Ph.D. at BSACIST are as follows:



### List of Research Scholars Awarded with Ph.D Degree

S.No.	RRN No.	Name	Mode	Department	Research Supervisors
1.	140963704001	Mr. Sri Nithya Mahottamananda	Part Time	Aerospace	Dr. P. N. Kadiresh
2.	130813704002	Mr. CK Arvinda Pandian	Part Time	Automobile	Dr. H. Siddhi Jailani
3.	1291239	Ms. R. Saai Harini	Full Time	Chemistry	Dr. D. Easwaramoorthy
4.	1091219	Ms. Kavitha .A	Part Time	Chemistry	Dr. D. Easwaramoorthy
5.	140913701005	Mr. M. Elumalai	Full Time	Chemistry	Dr. M. Vajjiravel
6.	140913701004	Mr. J. Paul Raj	Full Time	Chemistry	Dr. M. Vajjiravel
7.	1191223	Ms. Preethi B	Part Time	Chemistry	Dr. S. Kutti Rani
8.	1286230	Mr. P. G. Om Prakash	Part Time	CSE	Dr. A. Jaya
9.	140863104009	Mr. Atheeq C	Part Time	CSE	Dr. M. Munir Ahamed Rabbani
10.	130863704002	Mrs. C. Hema	Part Time	CSE	Dr. Sharmila Sankar

S.No.	RRN No.	Name	Mode	Department	Research Supervisors
11.	150863701002	Ms. Niha. K	Full Time	CSE	Dr. W. Aisha Banu
12.	1086206	Ms. S. P. Valli	Part Time	CSE	Dr. Sharmila Shankar
13.	160863701004	Mr. R. Pari	Full Time	CSE	Dr. W. Aisha Banu
14.	130843704006	Mrs. S. Kalaivani	Part Time	ECE	Dr. C. Tharini
15.	140843704002	Ms. Vanmathi M	Part Time	ECE	Dr. M. Mohamed Ismail
16.	130843707001	Mr. Y. J. Nazeer Ahmed	Full Time	ECE	Dr. S. Kaja Mohideen
17.	140843104009	Ms. Indra gandhi K	Part Time	ECE	Dr. P. K. Jawahar
18.	1183207	Ms. Sarmila Har Beagam K	Part Time	EEE	Dr. R. Jayashree
19.	1283214	Mr. R. Soundara Pandian	Part Time	EEE	Dr. R. Jayashree
20.	130833704002	Mrs. S. Jennathu Beevi	Part Time	EEE	Dr. R. Jayashree
21.	130833704005	Ms. Kavitha Sivakumar	Part Time	EEE	Dr. R. Jayashree
22.	1183208	Ms. Ramya R	Part Time	EEE	Dr. Y. Mohamed Shuaib
23.	1383118	Ms. Belwin J Brearley	Part Time	EEE	Dr. Y. Mohamed Shuaib
24.	1183209	Ms. G. Kavitha	Part Time	EEE	Dr. Y. Mohamed Shuaib
25.	1385102	Ms. G. Anidha	Part Time	EIE	Dr. M. Mohamed Ismail
26.	130853704002	Mrs. P. R. Hemavathy	Part Time	EIE	Dr. Y. Mohamed Shuaib
27.	140923704001	Ms. Uma Maheswari	Part Time	English	Dr. A. Shahin Sultana
28.	150883701001	Ms. Mahadab Banu	Full Time	Islamic Studies	Dr. Khalid Waheed
29.	130873704005	Mrs. Nabeena Ameen	Part Time	IT	Dr. D. Najumnissa Jamal
30.	1287215	Mr. N. Rajendran	Part Time	IT	Dr. P. K. Jawahar
31.	150933701003	Mr. Raed Mohammed Ali Al-Doar	Full Time	Management Studies	Dr. M. Shanmugam
32.	1293222	Mr. F. Abubecker	Part Time	Management Studies	Dr. Khalid Waheed
33.	1193219	Ms. Nirmala Raghavan	Part Time	Management Studies	Dr. S. Panboli
34.	1193216	Ms. G. Vaishnavi	Part Time	Management Studies	Dr. S.K.G. Ganesh
35.	160893701001	Mr. Amir Ahmad Dar	Full Time	Mathematics & AS	Dr. N. Anuradha
36.	130893707002	Mr. Mohammed Abid A.	Full Time	Mathematics & AS	Dr. T. R. Ramesh Rao
37.	130813704004	Mr. Sathick Basha K	Part Time	Mechanical	Dr. A.S. Selvakumar
38.	140813704002	Mr. MD. Javeed Ahmed	Part Time	Mechanical	Dr. M. A. Sai Balaji

S.No.	RRN No.	Name	Mode	Department	Research Supervisors
39.	1081204	Ms. L. Annagowsalya	Part Time	Mechanical	Dr. P.D. Jeyakumar
40.	160813104003	Mr. M. Abdur Rahman	Part Time	Mechanical	Dr. R. Karunanithi
41.	180813107001	Mr. M.Prashanth	Fellowship	Mechanical	Dr. R. Karunanithi
42.	1390115	Mr. M. Suresh Kumar	Part Time	Physics	Dr. G.V. Viiavaraghavan
43.	160903701004	Mr. Ikram Un Nabi Lone	Full Time	Physics	Dr. M. Md. Sheik Siraiuddeen
44.	140903701004	Ms. Shameem Banu H	Full Time	Physics	Dr.P.S.Sheik Uduman
45.	0982204	Ms. J. Shahitha Parveen	Part Time	Polymer	Dr. S. S. M. Abdul Maieed
46.	141153701003	Ms. Tahira Akther	Full Time	SLS	Dr. S. Hemalatha
47.	131153701001	Mr. Saroj Kumar Sah	Full Time	SLS	Dr. S. Hemalatha
48.	141153107005	Ms. Rekha Yamini K	Full Time	SLS	Dr. Soumen Bera

## Ph.D. Admission - July2021& Jan 2022 Session

- ❖ Advertisement for the Ph.D. Programme - July 2021 was announced in May 2021.
- ❖ The Department / School level committee members shortlisted the candidates based on the written test and interview.
- ❖ Sixty-one (61) candidates admitted for Ph.D. programme in July 2021 session and recommended through the 42<sup>nd</sup> Meeting of the Research Board Meeting held on 16<sup>th</sup> July 2021
- ❖ The Ph.D. admission brochure for **January 2022** was released.
- ❖ The last date to apply was extended till 24<sup>th</sup> December 2021.
- ❖ Twenty(20) candidates admitted for Ph.D. programme in January 2022 session and recommended through the 44<sup>th</sup> Meeting of the Research Board Meeting held on 11<sup>th</sup> January 2022.

**Ph.D. PROGRAMME**  
**Admission open (January 2022)**

**Key aspects**

- BSA Research Fellowships - 60 (JRF/SRF) Fellowships for meritorious
- Earn while you Learn Scheme - for all full time scholars
- Experienced Research Supervisors - 128 Supervisors
- Transparent Ph.D. Regulations - in adherence to UGC Regulations 2019

**Eligibility**  
 Post graduate in relevant discipline with minimum 55% marks

**Ph.D. programme is offered by the following Schools**

- School of Infrastructure
- School of Mechanical Sciences
- School of Electrical and Communication Sciences
- School of Computer, Information and Mathematical Sciences
- School of Life Sciences
- School of Physical and Chemical Sciences
- School of Pharmacy
- School of Business (Management studies)
- School of Social Sciences and Humanities
- School of Arabic & Islamic Studies

**To apply** Visit <https://crescent.education/>

**Step-1** Download the application form

**Step-2** Filled-in form shall be sent to  
 The Director (Admissions)  
 B. S. Abdur Rahman Crescent Institute of Science and Technology,  
 Vandalar, Chennai-600048

**Step-3** Softcopy to [research@crescent.education](mailto:research@crescent.education)

**Last date to apply is extended till**  
**24<sup>th</sup> December, 2021**  
**10<sup>th</sup> December, 2021**

**Contact**  
 Dean (Research), BSACIST  
 Email: [research@crescent.education](mailto:research@crescent.education)  
 Phone: +91 44 22759122

For admission related enquiries : +91 88707 29897, +91-9786724469



### Candidates Admitted for Ph.D. Programme July 2021 Session

S.No.	RRN No.	Name	Mode	Department
1	210883704001	Mr. Mohamed Rafeeq Zackariah	Part Time	Arabic & Islamic Studies
2	210943704001	Ms. Rufia Thaseen. I	Part Time	CA
3	210943704002	Ms. Shwetha. K	Part Time	CA
4	210913704001	Mr. Sakthivel	Full Time	Chemistry
5	210913701001	Mr. Ashkar. M.A	Full Time	Chemistry
6	210913701002	Ms. Rehana Jan	Full Time	Chemistry
7	210803701001	Ms. Ifthika sherine. A	Full Time	Civil
8	210983701001	Ms. Sri varsha.G	Full Time	Commerce
9	210863701001	Ms. Safiya Begam G	Full Time	CSE
10	210863701002	Ms. S.Babitha Rani	Full Time	CSE
11	210863704001	Ms. B.Saratha	Part Time	CSE
12	210863704002	Ms. Singaraju Ramya	Part Time	CSE
13	210863704003	Mr. Gokulakrishnan.V	Part Time	CSE
14	210863704004	Mr. V Sunil Kumar	Part Time	CSE
15	210863704005	Mr. Banala Ranjith Kumar	Part Time	CSE
16	210863704006	Mr. Rajesh. P	Part Time	CSE
17	210863704007	Mr. S.R.Senthilkumar	Part Time	CSE
18	210863704008	Mr. Mohammed Irshad	Part Time	CSE
19	210863704009	Mr. B. Raja	Part Time	CSE
20	210863704010	Mr. P. Vara Prasad	Part Time	CSE
21	210843704001	Mr. V.N.Imaduddeen	Part Time	ECE
22	210843704002	Mr. Mittapalli Abdul Jaleel	Part Time	ECE
23	210843704003	Ms. Anto Ajisha Shrinu. M	Part Time	ECE
24	210833704001	Mr. M. Balasubramani	Part Time	EEE
25	210833704002	Mr. Abdul kadar sheik	Part Time	EEE
26	210853704001	Ms. Vijayalakshmi .E	Part Time	EIE
27	210923701001	Ms. S.Sarmila	Full Time	English
28	210923704001	Ms. P. Sajida Bhanu	Part Time	English
29	210923704002	Mr. Durai Inbaraj. C	Part Time	English
30	210873704001	Mr. Keerthivasan. M	Part Time	IT
31	211153701001	Ms. Jayasudha M	Full Time	Life Sciences
32	211153701002	Ms. Ashwathi.V	Full Time	Life Sciences
33	211153701003	Ms. Architha Vijayalakshmi	Full Time	Life Sciences
34	211153701004	Mr. Mohd Kashif	Full Time	Life Sciences
35	211153701005	Ms. Shabnam. A	Full Time	Life Sciences
36	210933701001	Ms. S. Sharmeen Mehak	Full Time	Management
37	210933701002	Ms. Shindhuja. J	Full Time	Management
38	210933704001	Ms. Bhuvaneshwari Nagarajan	Part Time	Management
39	210933704002	Mr. Prem Kumar. C.N	Part Time	Management

S.No.	RRN No.	Name	Mode	Department
40	210933704003	Ms. Uma Devi Ayyappan	Part Time	Management
41	210893701001	Ms. Pradeepa Alagupandi	Full Time	Maths & AS
42	210893701002	Ms. Deepika S	Full Time	Maths & AS
43	210893701003	Ms. Sharon Elsen Abraham	Full Time	Maths & AS
44	210893701004	Ms. Ariyanatchi M	Full Time	Maths & AS
45	210893704001	Ms. S. Mohamed Yaceena	Part Time	Maths & AS
46	210833701001	Mr. J Sairam	Full Time	Mechanical
47	210833701002	Mr. Balaji. P	Full Time	Mechanical
48	210833704001	Mr. Venkatachalam.C	Part Time	Mechanical
49	210833704002	Mr. Mohamed Haris A S	Part Time	Mechanical
50	210833704003	Mr. Rajkumar.M	Part Time	Mechanical
51	210993704001	Ms. Gangadevi. K	Part Time	Pharmacy
52	210993704002	Ms. R. Mohana Priya	Part Time	Pharmacy
53	210993704003	Mr. V.Kannabirran	Part Time	Pharmacy
54	210993704004	Mr. Srinivasan. M	Part Time	Pharmacy
55	210903701001	Mr. Varatharajan P	Full Time	Physics
56	210913701002	Mr. MD Iyasin Baidya	Full Time	Physics
57	210903704001	Ms. Pavithra G	Full Time	Physics
58	210913701003	Mr. Rahul B	Full Time	Physics
59	210903704002	Mr. C. Kiran Kumar	Part Time	Physics
60	211003701001	Ms. Muthulakshmi. S	Full Time	SSSH
61	211153701006	Ms. Rafeedah Fathuddin	Full Time	SLS

### Candidates Admitted for Ph.D. Programme January 2022 Session

S.No.	RRN No.	Name	Mode	Department
1.	220963104001	Mr. RanjithKumar. P	Part Time	Aerospace
2.	220943104001	Mr. Julias Ceasor	Part Time	CA
3.	220863104001	Ms. Suberiya Begum. S	Part Time	CSE
4.	220863104002	Mr. S. Muthukumar	Part Time	CSE
5.	220843104001	Mr. Shaik Lal John Basha	Part Time	ECE
6.	220853104001	Mr. Karthikeyan. S	Part Time	EIE
7.	220923101002	Ms. Lincy Manuel	Full Time	English
8.	220923101001	Ms. A. Priya	Full Time	English
9.	220893104001	Ms. P. Poongothai	Part Time	Maths & AS
10.	220893104002	Ms. S. Selvi	Part Time	Maths & AS
11.	220893104003	Ms. Zulaiha Maryam. M	Part Time	Maths & AS
12.	220813101001	Mr. S. Bharathi	Full Time	Mechanical
13.	220993101002	Ms. Pavazhaviji	Full Time	Pharmacy
14.	220993104001	Ms. Laura. S.L	Part Time	Pharmacy
15.	220903104001	Ms. Nasreen Fareedha. P	Part Time	Physics

S.No.	RRN No.	Name	Mode	Department
16.	220903101002	Mr. A. Vilvanatha Prabu	Full Time	Physics
17.	220903101001	Ms. Priscilla. J	Full Time	Physics
18.	220823104001	Mr. K. K. Iynesh Kumar	Part Time	Polymer
19.	221153101001	Ms. Keerthana.V	Full Time	SLS

## PDF Admission for the Year 2022

- The advertisement for Post-Doctoral Fellowship (PDF) – 2022 was announced in May 2022.
- Eligibility for PDF – 2022 was as follows:
  - Candidates awarded with **Ph.D. degree** from a reputed Institution / University
  - Candidates should have a minimum of **three (03)** publications in Scopus / WOS Indexed Journals
  - Candidates who have submitted their Ph.D. thesis and awaiting for VIVA-VOCE examination are **NOT ELIGIBLE** to apply.
- The Department / School level committee members shortlisted the candidates based on the written test and interview. A total of three (3) candidates were shortlisted for PDF-2022. Table:5 shows the lists of three (3) candidates shortlisted for Post-Doctoral Fellowship (PDF) – 2022.



**Office of DEAN (Research)**  
 (Empowering CRESCENT through Exemplary Research)

**Call for Post-Doctoral Fellowship (PDF) – 2022**

**Eligibility**

- Candidates awarded with Ph.D. degree from a reputed Institution / University in recent years.
- Candidates should have a minimum of three (03) publications in Scopus / WOS indexed Journals.
- The upper age limit for the fellowship is 35 years at the time of the submission of application.
- Candidates who have submitted their Ph.D. thesis and awaiting for VIVA-VOCE examination are **NOT ELIGIBLE** to apply.

**Mode of Selection and Duration**

- Candidates will be shortlisted based on Research proposal + Written test and Interview
- Only one (1) Post-Doctoral Fellowship shall be allotted to each Department
- The Fellowship amount is fixed to Rs. 30,000 / - (Thirty thousand rupees only)
- The fellowship duration is one (1) year & shall be extended for another year based on performance

**Post-Doctoral Fellowship (PDF) is offered by the following Departments / Schools**

Mechanical Engineering	Electrical & Electronics Engineering	Physics
Polymer Engineering	Electronics & Communication Engineering	Chemistry
Aerospace Engineering	Electronics & Instrumentation Engineering	Life Sciences
Automobile Engineering	Mathematics & Actuarial Science	Pharmacy
Civil Engineering	Computer Science & Engineering	Commerce
Computer Applications	Arabic & Islamic Studies	Management Studies
		English

**How to apply?**

- The application form can be downloaded from [www.crescent.education](http://www.crescent.education)
- The filled-in application and other related documents shall be submitted by email to [research@crescent.education](mailto:research@crescent.education)
- Last date to receive the applications is 30<sup>th</sup> November 2022.

For enquiries contact : 044-22759200 / 044-22751347 (Extn 122)

S.No.	No.	Name of the Awardee	Mentor	Department
1.	2023PDF01	Dr. Syed Kaleemullah. N	Dr. M. Mohamed Sheik Sirajuddeen	Physics
2.	2023PDF02	Dr. Mangala Lakshmi.R	Dr. S. Hemalatha	SLS
3.	2023PDF03	Dr. M. Kirithika	Dr. Vasanthi Padmanabhan	Civil Engg.

## Research Incentives Schemes - 2020

The Institute provides Research Incentives to the faculty members every year. The primary objective of the incentive scheme is to motivate the faculty members of our Institution to undertake quality research, consultancy, and other related activities.

The research incentives for the eligible faculty members were awarded on the occasion of the Teacher's day celebration – 2022 held at BSACIST. The faculty members awarded with Research Incentives Scheme – 2020 are listed below :

Research Incentive Award Event with the distribution of Rs. 20,27,014/- to 111 faculty members for the calendar year 2020 and 2021 during Teachers Day celebrations on 5<sup>th</sup> September 2022.

### Faculty Members Awarded with Research Incentive Scheme

S. No.	Name of the Faculty	Designation	Department
1.	Dr. P.N. Kadiresh	Professor	Aerospace Engineering
2.	Dr. Sri Nithya Mahottamananda	Assistant Professor	Aerospace Engineering
3.	Dr. Khalid Waheed	Assistant Professor	School of Arabic and Islamic Studies
4.	Dr. S. Kutti Rani	Professor	Chemistry
5.	Dr. D. Easwaramoorthy	Professor	Chemistry
6.	Dr. N. Vasimalai	Assistant Professor (Sel. Grade)	Chemistry
7.	Dr. M. Asha Jhonsi	Assistant Professor (Sr.Gr)	Chemistry
8.	Dr. Revathi Purushothaman	Professor & Head	Chemistry
9.	Dr. K. Karthikeyan	Assistant Professor (Sr.Gr)	Chemistry
10.	Dr. K. Shakeela	Assistant Professor	Chemistry
11.	Dr. N. Hajara Beevi	Professor	Chemistry

S. No.	Name of the Faculty	Designation	Department
12.	Dr. Munir Ahamed Rabbani	Professor	IT
13.	Dr. LathaTamilselvan	Professor	Information Technology
14.	Dr. G. Kavitha	Professor	Information Technology
15.	Dr. P. Latchoumy	Associate Professor	Information Technology
16.	Dr. Nabeena Ameen	Assistant Professor (Sr.Gr)	Information Technology
17.	Dr. C. Tharini	Professor & Head	Electronics and Communication Engineering
18.	Dr. S. Kaja Mohideen	Senior Professor	Electronics and Communication Engineering
19.	Dr. S. Kalaivani	Assistant Professor (Sr.Gr)	Electronics and Communication Engineering
20.	Mrs. Mahalakshmi @Issakki	Assistant Professor (Sr.Gr.)	Electronics and Communication Engineering
21.	Dr. A. Priya	Assistant Professor (Sr.Gr.)	Electronics and Communication Engineering
22.	Dr. M. Vanmathi	Assistant Professor (Sr.Gr.)	Electronics and Communication Engineering
23.	Dr. G. V. Vijayaraghavan	Professor & Head	Physics
24.	Dr. I. B. Shameem Banu	Professor	Physics
25.	Dr. R. Amiruddin	Assistant Professor	Physics
26.	Dr. S. Sathik Basha	Professor	Physics
27.	Dr. M. Basheer Ahamed	Professor	Physics
28.	Dr. M. Mohamed Sheik Sirajudeen	Assistant Professor (Sel. Gr.)	Physics
29.	Dr. G. Anitha	Assistant Professor (Sel. Gr.)	Electronics and Instrumentation Engineering
30.	Dr. P. R. Hemavathy	Assistant Professor (Sr.Gr.)	Electronics and Instrumentation Engineering
31.	Dr. D. Najumnissa Jamal	Professor	Electronics and Instrumentation Engineering
32.	Dr. M. Shanmugam	Professor	Management Studies
33.	Dr. Salman Ayaz	Assistant Professor	Computer Applications
34.	Dr. S. Pakkir Mohideen	Associate Professor	Computer Applications

S. No.	Name of the Faculty	Designation	Department
35.	Dr. A.Jaya	Professor	Computer Applications
36.	Mrs. P. Padmavathy	Assistant Professor (Sr.Gr.)	Computer Applications
37.	Dr. Asrar Ahmed. K	Assistant Professor	Mechanical Engineering
38.	Dr. Mohamed Bak Kamaludeen	Assistant Professor	Mechanical Engineering
39.	Dr. K. Sathick Basha	Assistant Professor	Mechanical Engineering
40.	Dr. H. Siddhi Jailani	Professor	Mechanical Engineering
41.	Dr. V. Muralidharan	Associate Professor	Mechanical Engineering
42.	Dr. R. Karunanithi	Associate Professor	Mechanical Engineering
43.	Dr. S. Rasool Mohideen	Professor	Mechanical Engineering
44.	Dr. B. Surya Rajan	Assistant Professor	Mechanical Engineering
45.	Dr. M. Abdur Rahman	Assistant Professor	Mechanical Engineering
46.	Dr. J. Mahashar Ali	Assistant Professor (Sr.Gr.)	Mechanical Engineering
47.	Dr. S. Ravikumar	Assistant Professor	Mechanical Engineering
48.	Dr. D. R. Rajendran	Assistant Professor	Mechanical Engineering
49.	Dr. A. Muthu Manokar	Assistant Professor	Mechanical Engineering
50.	Dr. Irfan Navabshan	Assistant Professor	Pharmacy
51.	Mr. N. Mohammed Habeeb	Assistant Professor	Pharmacy
52.	Dr. P. Rathna	Professor	English
53.	Dr. M. S.Haji Sheik Mohammed	Professor	Civil Engineering
54.	Dr. P. Gajalakshmi	Professor	Civil Engineering
55.	Dr. J. Revathy	Professor	Civil Engineering
56.	Dr. Mahadev Ota	Assistant Professor (Sr.Gr.)	Mathematics
57.	Dr. C. D. Nandhakumar	Associate Professor	Mathematics
58.	Dr. S. Srinivasan	Professor	Mathematics
59.	Dr. Pervaiz Iqbal	Assistant Professor	Mathematics
60.	Dr. P. S. Sheik Uduman	Professor	Mathematics
61.	Dr. E. Syed Mohamed	Professor	Computer Science and Engineering

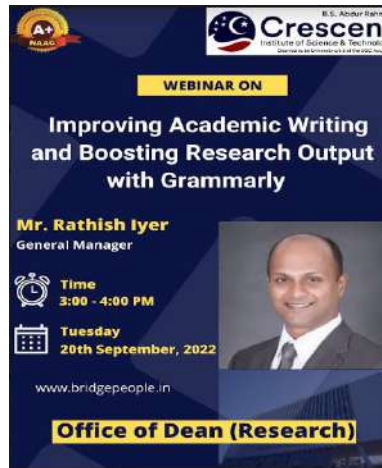
S. No.	Name of the Faculty	Designation	Department
62.	Dr. N. Sabiyath Fatima	Professor	Computer Science and Engineering
63.	Dr. L. Arun Raj	Associate Professor	Computer Science and Engineering
64.	Dr. S. Revathi	Professor	Computer Science and Engineering
65.	Dr. R. Jayashree	Professor	Electrical and Electronics Engineering
66.	Dr. Y. Mohamed Shuaib	Professor	Electrical and Electronics Engineering
67.	Dr. S. Jennathu Beevi	Assistant Professor (Sr.Gr.)	Electrical and Electronics Engineering
68.	Dr. Belwin J Brearley	Assistant Professor (Sr.Gr.)	Electrical and Electronics Engineering
69.	Dr. K. Sarmila Har Beagam	Assistant Professor	Electrical and Electronics Engineering
70.	Dr. Khurshid Alam Khan	Associate Professor	School of Life Sciences
71.	Dr. Sheeza Khan	Assistant Professor	School of Life Sciences
72.	Dr. Ashok Kumar Pandurangan	Associate Professor	School of Life Sciences
73.	Dr.S. Hemalatha	Professor	School of Life Sciences
74.	Dr. D. Mubarak Ali	Assistant Professor	School of Life Sciences

## Programmes Organised

- Online International webinar on “Research Ethics and Quality Publications” by Dr. J. V. R. Murthy, Director Incubation and IPR, Dr. M. V. Reddy, Senior Professional Researcher Montreal, Canada, on 28<sup>th</sup> May 2022.



- Online Webinar on "Improving Research Writing using Grammarly Software" by Binoy Halam, Senior Business Development Manager, Bridge Technology Solutions on 2<sup>nd</sup> June 2022.
- Online Webinar on "Effective Writing of Research Articles with Grammarly" by Mr. Rathish Iyer, Trainer in Bridge People Technology Solutions, on 20<sup>th</sup> Sep 2022.



- Online Webinar on "Understanding Research Metrics for Quality Research" by Mr. M. Cedric Joseph, Chief Executive Officer, Researgence conducted on 2<sup>nd</sup> Nov 2022.





## Research Visibility and Status (as on 31 Dec 2022)

The Research Profile of B.S.Abdur Rahman Crescent Institute of Science and Technology (BSACIST) as of 31<sup>st</sup> December 2022.

<b>Research visibility</b>	
<b>h – index</b>	71
<b>i-10 index</b>	845
<b>Average Impact Factor</b>	2.8
<b>Productivity index</b>	1.05
<b>Total no. of faculty members</b>	485
<b>No. of faculty with Ph.D. qualification</b>	318 (65.5%)
<b>No. of faculty pursuing Ph.D.</b>	43
<b>No. of Approved Supervisors</b>	181
<b>No. of Post-Doctoral fellows</b>	03
<b>Research status (till date)</b>	
<b>No. of Publications (Scopus &amp; WoS-2022)</b>	391
<b>Total No. of Publications</b>	6613
<b>Total No. of Citations</b>	29,273
<b>Highest SNIP</b>	4.828
<b>Average SNIP</b>	0.82
<b>Highest Impact Factor</b>	18.96
<b>Average Impact Factor</b>	2.80
<b>No. of Ph.D. degree awarded</b>	214
<b>Awaiting for Viva-Voce</b>	14
<b>Thesis submitted</b>	34
<b>Synopsis submitted</b>	17
<b>Number of Ph.D. Scholar on roll</b>	479

## Summary

Research activities play a significant role in promoting the grandeur and dignity of our Institute. The research outcomes contribute towards good NIRF rankings and valuable grades in NAAC accreditation. The Office of Dean (Research) has established a **Conducive Research Ambience** to enhance the research activities of BSACIST. The significant achievements of the Office of Dean (Research) are summarized as follows:

- Improvement in the research productivity and citation impact of the publications
- High-quality research publications in Scopus / WOS indexed journals
- More number of candidates admitted for Ph.D. programme
- Significant improvement in the number of Viva-Voce conducted for research scholars

## CONTROLLER OF EXAMINATIONS

### Introduction:

Currently our Institution offers 56 programmes, namely 31 Undergraduate Programmes and 25 Postgraduate programmes, as well as Ph.D. in all disciplines.

The Office of Controller of Examinations conducts Examinations for all the above programmes and publishes results for the same.

### Academic Year Plan (ODD Semester)

The academic year plan for the conduction of examination for the Odd Semester- Academic Year (2021-22) is given below:

Programme	Details	Date & Semester of Study
UG & PG	Continuous Assessment Test I	<b>1<sup>st</sup> Semester UG/PG</b> 22.11.2021 to 29.11.2021 – In campus <b>1<sup>st</sup> semester - BA Public Policy</b> 29.11.2021 to 07.12.2021 – In Campus <b>3<sup>rd</sup> semester UG/PG</b> 18.10.2021 to 31.10.2021 In campus <b>5<sup>th</sup> and 7<sup>th</sup> Semester</b> 18.10.2021 to 31.10.2021 Proctored Online mode using Google meet/Zoom/Webex.
	Continuous Assessment Test II	<b>1<sup>st</sup> Semester</b> 03.01.2022 to 10.01.2022 <b>3<sup>rd</sup> and 5<sup>th</sup> Semester</b> 29.11.2021 to 09.12.2021. <b>7<sup>th</sup> Semester</b> 15.12.2021 to 23.12.2021
	Semester End Theory Examinations	<b>1<sup>st</sup> and 3<sup>rd</sup> Semester</b> 23.02.2022 to 08.03.2022 (Proctored Online Examinations)

		<b>5th &amp; 7<sup>th</sup> Semester</b> 30.12.2021 to 04.01.2022 (In campus) 07.02.2022 to 26.02.2022 ( Proctored Online Examinations)
	Publication of Results	<b>1<sup>st</sup> semester</b> 07.05.2022 <b>3<sup>rd</sup>, 5<sup>th</sup> and 7<sup>th</sup> Semester</b> 19.04.2022 (After Reexaminations)

**Number of Students appeared in the Regular Semester End examinations: 8279**

**Grievances Addressed:**

The office of the Controller of Examinations addresses the grievance of the students related to Examinations by conducting **Substitute Examinations and Reexaminations**

**Substitute Examinations:**

A student, who has missed the continuous assessment test for genuine reasons, is permitted to write a maximum of one of the two assessments of a course. However, permission to take up a substitute examination will be given under exceptional circumstances such as accidents, admission to a hospital due to illness, etc.

**The schedule for the Substitute examinations is furnished below:**

Programme	Details	Dates	No. of Students Appeared
UG & PG	CAT- I & II	Intermediate and Final Year - 27.12.2021 to 29.12.2021	233
		First Year - 10.03.2022 to 12.03.2022	202

**Reexaminations:**

Re-examination (**Regular/Arrear/Redo courses**) for the students of UG and PG Programmes who faced network issues, uploading issues or any other genuine issues

during the Semester End Examinations held during February/March 2022 (AY 2021-22) were conducted as mentioned below:

Programme	Details	Dates	No. of Students
UG & PG	Reexamination	15.03.2022 - 22.03.2022	392

**Declaration/Publication of Results:**

Average no. of days taken to publish the results : 15 working days from the last day of examination.

**Academic Year Plan (EVEN Semester)**

The academic year plan for the conduction of examination for the Even Semester- Academic Year (2021-22) is given below:

Programme	Details	Date/ Year of Study
UG & PG	Continuous Assessment Test I	<b>I, II Year (UG/ PG) and III year B.Tech</b> 25.04.2022 - 11.05.2022 <b>Final Year</b> 04.04.2022 – 11.04.2022
	Continuous Assessment Test II	<b>I, II Year (UG/ PG) and III year B.Tech</b> 17.06.2022 - 28.06.2022 <b>Final Year</b> 23.05.2022 to 30.05.2022
UG & PG	Semester End Theory Examinations	<b>I, II Year (UG/ PG) and III year B.Tech</b> 13.07.2022 - 30.07.2022 <b>Final Year</b> 13.06.2022 - 26.06.2022 <b>Final Year Law</b> 27.05.2022 to 03.06.2022
	Publication of Results	<b>Final year</b> 29.06.2022 <b>First and Intermediate year</b> 12.08.2022

**No. of Students appeared in the Regular Semester End examinations: 8237**

### Substitute Examinations

The schedule for the Substitute examinations is furnished below:

Programme	Details	Dates
UG & PG	CAT-I & CAT-II	<b>Final Year</b> 02.06.2022 - 04.06.2022
		<b>First &amp; Intermediate Year</b> 30.06.2022 to 02.07.2022

Number of Students appeared for Substitute Examination : 570

No. of students Applied of Revaluation: Applications received : 281

Change of grade based on revaluation results : 57

### Declaration/Publication of Results

Average no. of days taken to publish the results : 8 working days

### Supplementary Examinations:

To facilitate passed out / final year students to complete the degree and reduce the number of outstanding arrears, supplementary exams were conducted. Students are eligible to apply for a maximum of three courses. Supplementary Examination for Final Year and Passed out Students (AY 2021-22) were conducted from **26.09.2022 to 29.09.2022**.

**Number of Students appeared for Supplementary Examination: 131**

### Convocation:

- The **11<sup>th</sup> Convocation** of our Institution was held on 5<sup>th</sup> February 2022 through Blended Mode. **Mr.Sridhar Vembu, CEO and Co-founder, Zoho Corporation** was the Chief Guest. The graduates of **Ph.D. (52)** and **Gold medalists (41)** attended the convocation in person. A total of **2382 graduates** received their degree.
- The details of graduates' received their degree, programme-wise are as follows:

S.No.	Degrees awarded	No. of graduates
1.	B.Tech.	891
2.	B.Arch.	68
3.	B.A.	59
4.	B.Sc.	139
5.	BCA	159
6.	B.Com.	413
7.	BBA	59
8.	B.Des	30
9.	B. Pharm	58
10.	PGDM	25
11.	M.Tech.	55
12.	M.Arch.	07
13.	M.Sc.	119
14.	MBA	119
15.	MCA	100
16.	M.A.	29
17.	Ph. D.	52
<b>Total</b>		<b>2382</b>

- The Degree Award Ceremony (Physical mode) was conducted from 21.02.2022 to 04.03.2022 for the graduates who have attended the convocation through online Mode.

The 12<sup>th</sup> Convocation was conducted on 27<sup>th</sup> November 2022.

Date	Chief Guest
27.11.2022	Dr. M. Ravichandran, Secretary, Ministry of Earth Sciences (MoES)., Govt. of India, New Delhi.

**Number of Graduates: 2342**

UG	PG	Ph.D.	PGDM	Total
1797	500	44	1	2342



## INTERNAL QUALITY ASSURANCE CELL

### 1. ACCREDITATION

#### 1.1 NAAC – AQAR

➤ The office of IQAC prepared the Annual Quality Assurance Report (AQAR) for the academic year 2020-21. To ensure the relevance and authenticity of the data / documental proofs for the submission of the Annual Quality Assurance Report (AQAR) 2020-21, the Office of IQAC identified *20 Officers of different Divisions* to submit the *Qualitative Metrics and Quantitative Metrics* with documental proofs and data template form (provided by NAAC).

➤ Accordingly, various review meetings have been conducted to finalize the data.

#### Review Schedule for AQAR 2020-21:

1	Academic Affairs	1.1 - Curriculum Design and Development 1.2 - Academic Flexibility 1.3 - Curriculum Enrichment 1.4 - Feedback System 2.2 - Catering to Student Diversity 2.3 - Teaching – Learning Process 2.6 - Student Performance and Learning Outcomes 3.4 - Research Publications and Awards 4.3 - IT Infrastructure
2	Human Resource	2.2 - Catering to Student Diversity 2.4 - Teacher Profile and Quality 3.6 - Extension Activities 6.3 - Faculty Empowerment Strategies 7.1 - Institutional Values and Social Responsibilities
3	Research	3.1 - Promotion of Research and Facilities 3.3 - Innovation Ecosystem 3.4 - Research Publications and Awards
4	Student Affairs	3.6 - Extension Activities 4.1 - Physical Facilities 5.1 - Student Support 5.2 - Student Progression 5.3 - Student Participation and Activities 7.1 - Institutional Values and Social Responsibilities

5	Sponsored Research	3.1 - Promotion of Research and Facilities 3.2 - Resource Mobilizations for Research 3.5 - Consultancy 3.7 - Collaboration
6	Estate Office	4.1 - Physical Facilities 4.3 - IT Infrastructure 4.4 - Maintenance of Campus Infrastructure 7.1 - Institutional Values and Social Responsibilities
7	Finance Office	4.1 - Physical Facilities 4.4 - Maintenance of Campus Infrastructure 6.3 - Faculty Empowerment Strategies 6.4 - Financial Management and Resource Mobilization
8	Registrar Office	3.7 - Collaboration 6.1 - Institutional Vision and Leadership 6.2 - Strategy Development and Deployment 6.4 - Financial Management and Resource Mobilization
9	IQAC	2.7 - Student Satisfaction Survey 6.5 - Internal Quality Assurance System 7.2 - Best Practices 7.3 - Institutional Distinctiveness
10	Library	4.2 - Library as a Learning Resource
11	Data Centre	4.3 - IT Infrastructure
12	Admissions	2.1 - Student Enrolments and Profile
13	Controller of Examinations	2.5 - Evaluation Process and Reforms 2.6 - Student Performance and Learning Outcomes
14	CIIC	3.3 - Innovation Ecosystem 3.4 - Research Publications and Awards
15	Placement	5.1 - Student Support 5.2 - Student Progression
16	International Affairs	3.7 - Collaboration
17	Alumni Relations	5.4 - Alumni Engagement
18	CITL	3.4 - Research Publications and Awards 4.3 - IT Infrastructure
19	NSS Co-ordinator	3.6 - Extension Activities
20	Student Section	5.1 - Student Support

➤ The documental evidence / proof have been vetted thoroughly through a series of review meetings, the final Annual Quality Assurance Report for the Academic year 2020 - 21 has been submitted in the NAAC Portal on 13.10.2022, and the same has been accepted by NAAC on 27.10.2022.

## 1.2 National Board of Accreditation (NBA)

The NBA Accreditation for the following UG Engineering Programmes, namely,

- (i) B.Tech (Aeronautical Engineering)
- (ii) B.Tech (Automobile Engineering)
- (iii) B.Tech (Polymer Engineering)
- (iv) B.Tech (ECE)
- (v) B.Tech (CSE)
- (vi) B.Tech (IT)
- (vii) B.Tech (EIE)

Moreover, one PG Programme Master of Business Administration (MBA) has been expired on 30<sup>th</sup> June 2022.

The Office of Director (IQAC) initiated the submission of application to NBA for the Fresh Accreditation for the programmes B.Tech (ECE), B.Tech (CSE), B.Tech (IT), B.Tech (EIE) and MBA / Compliance Report for the programmes B.Tech (Aero), B.Tech (Auto) and B.Tech (Polymer) for further Accreditation.

➤ In the First Phase, the Compliance reports were submitted for B.Tech – Aero, Auto and Polymer on 13.05.2022 for extension of Accreditation, after the review meetings.

Review Meetings for B.Tech (Aero), B.Tech (Auto) and B.Tech (Polymer)

S. No.	Date	Name of the Department	Name of the Activity	Venue	Time
01	24.03.2022	B.Tech. (Aero) B.Tech. (Auto) & B.Tech. (Poly)	NBA Compliance Review Meeting	Conference Hall Mechanical department	10.30 - AM
02	13.05.2022	B.Tech. (Aero) B.Tech. (Auto) &	NBA Compliance Submission	IQAC Office	3.00 PM

		B.Tech (Poly)			
03	01.07.2022	B.Tech. (Aero) B.Tech. (Auto) & B.Tech (Poly)	A review meeting for the conveners of various committees constituted for the NBA Compliance Visit was scheduled on 02.07.2022.	Seminar Hall - III	11.30 AM

➤ The NBA has scheduled a compliance visit to our Institute on **2<sup>nd</sup> July 2022 (Saturday)**. Two Expert Members of the NBA Compliance Committee Dr G. L Dutta, Former Dean, IIT Kharagpur and Dr N.S. Raghava, Head of the Department, Department of ECE, Delhi Technological University, New Delhi, visited our campus to evaluate the three UG programmes. The Compliance visit has been successfully completed, and NBA awarded Accreditation for three more years from 2022-23 to 2024-25. The **Office of Director (IQAC) has also received the Certificate of Accreditation.**

➤ In the Second Phase, the Office of IQAC initiated the preparation for submitting the pre-qualifier for five of our UG Engineering programmes for fresh Accreditation, viz., B.Tech – Civil, ECE, CSE, EIE and IT. The B.Tech (Civil) and (EIE) do not meet the eligibility requirement (admission percentage for the recent three years average is less than 60%) for submitting the pre-qualifier to the NBA. So it has been decided to participate in the forthcoming years. Hence, the Pre-qualifier Performa has been prepared for B.Tech – ECE, CSE and IT and the same have been submitted to NBA on 08.04.2022.

➤ In line with the same, the Self Assessment Reports (SAR) were prepared by the respective UG departments and vetted thoroughly through a series of review meetings. The final SARs have been submitted on 24<sup>th</sup> June 2022.

#### **Review Schedule for NBA – Pre-qualifier and Self Assessment Report (SAR):**

<b>S. No.</b>	<b>Date</b>	<b>Name of the Department</b>	<b>Name of the Activity</b>	<b>Venue</b>	<b>Time</b>
1	02.03.2022	B.Tech (Civil), B.Tech (ECE), B.Tech (EIE),	Preparation of Pre-qualifier and SAR Report for NBA	Conference Hall, School of Infrastructure	10.30 AM

		B.Tech (CSE) & B.Tech (IT)	Accreditation		
2	08.04.2022	B.Tech (ECE) B.Tech. (CSE) & B.Tech.(IT)	Submission of Pre-qualifier to NBA	IQAC Office	03.00 pm
3	22.04.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA - Institute Level Criteria 8,9,10	IQAC Office	2.30 PM
4	10.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA Review Meeting	IQAC Office	9.30 AM to 5.00 PM
5	12.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA Review Meeting	IQAC Office	9.30 AM to 5.00 PM
6	13.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA Review Meeting	IQAC Office	9.30 AM to 1.00 PM
7	14.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA Review Meeting	IQAC Office	10.00 AM
9	17.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA SAR Phase II of First Review Meeting (Criteria 3)	IQAC Office	3.00 AM
10	27.05.2022	B.Tech.(ECE) B.Tech.(CSE) & B.Tech.(IT)	NBA Review Meeting (Criteria 9,10)	IQAC Office	10.00 AM
11	28.05.2022	B.Tech.(ECE) B.Tech.(CSE) & B.Tech.(IT)	NBA Review Meeting (Criteria 8)	IQAC Office	10.00 AM
12	30.05.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	NBA Review Meeting (Criteria 8,9)	IQAC Office	10.00 AM
13	31.05.2022	B.Tech. (ECE) B.Tech. (CSE) &	NBA Review Meeting (Criteria	IQAC Office	10.00 AM

		B.Tech.(IT)	10)		
14	07.06.2022	B.Tech. (ECE)	Final Review – SAR (Criteria 1 to 7)	IQAC Office	10.00 AM to 4.30 PM
15	08.06.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	Final Review – First Year Data (Institute level 8 to 10)	IQAC Office	10.00 AM to 4.30 PM
16	09.06.2022	B.Tech. (CSE)	Final Review – SAR (Criteria 1 to 7)	IQAC Office	10.00 AM to 4.30 PM
17	10.06.2022	B.Tech.(IT)	Final Review – SAR (Criteria 1 to 7)	IQAC Office	10.00 AM to 4.30 PM
18	11.06.2022	B.Tech. (CSE)	Final Review – SAR (Criteria 3 & 7)	IQAC Office	10.00 AM to 4.30 PM
19	13.06.2022	B.Tech.(IT)	Final Review – SAR (Criteria 1)	IQAC Office	11.30 AM
20	14.06.2022	B.Tech.(IT)	Final Review – SAR (Criteria 1)	IQAC Office	11.30 AM
22	18.06.2022	B.Tech. (ECE) B.Tech. (CSE) & B.Tech.(IT)	Institute Level (Criteria 9 & 10)	IQAC Office	09.30 AM to 3.00 PM
23	20.06.2022	B.Tech. (CSE)	Final Review – SAR (Criteria 4 & 5)	IQAC Office	3.00 PM
24	21.06.2022	B.Tech. (ECE)	Final Review – SAR (VC)	IQAC Office	3.00 PM
25	22.06.2022	ECE	NBA Review Meeting - ECE - VC (Criteria 6 & 7)	IQAC Office	3.00 PM

26	24.06.2022	ECE, CSE, IT	NBA - SAR Submission	IQAC Office	3.00 PM
29	05.07.2022	MCA	NBA Review Meeting	IQAC Office	4.30 PM
30	06.07.2022	MBA	NBA Review Meeting	IQAC Office	3.00 PM

➤ Similarly, for MBA, the Office of IQAC submitted the SAR on 29<sup>th</sup> July 2022. This time, we have applied for Accreditation for one more PG programme MCA under the Tier-I format.

➤ Expecting the NBA Expert Team visit for our Institute in due course and to equip ourselves 100% preparedness, the Office of IQAC arranged a “Mentoring Visit” by the External Expert Dr. S. Baskar, Professor & Dean (R&D), Thiyagarajar College of Engineering, Madurai, on 3rd, 17th and 24th Sep 2022 to B.Tech (ECE), B.Tech (CSE) and B.Tech (IT) respectively. The Mentoring visit for the MBA and MCA will be arranged in due course.

## 2. RANKINGS & RATINGS

### 2.1 Times Impact Rankings

Our Institute has participated in THE Impact Rankings 2022 in the following **6 SDGs** (Sustainable Development Goals).

- SDG 4 : Quality Education
- SDG 5 : Gender Equality
- SDG 6 : Clean Water and Sanitation
- SDG 7 : Affordable and Clean Energy
- SDG 9 : Industry Innovation and Infrastructure
- SDG 17: Partnership for the Goals
- Our Institute bagged the Rank Band 201-300 in SDG 6 (Clean water and Sanitation) out of 634 institutions participated worldwide and Rank Band 201-300 in SDG 7 (Affordable and Clean Energy) out of 705 institutions worldwide.
- The Director (IQAC) and the Vice Chancellor attended the Online meeting with Mr Ritin Malhotra, General Manager & Regional Director (Asia), to discuss the development of Crescent’s strategic plan and implementation.

- Our Institute aims to gain recognition among the leading institutions in India. As such, it is looking to identify areas of improvement and create a better brand positioning. Hence, it is proposed to subscribe to the SDG Impact Dashboard for one year, from 1<sup>st</sup> July 2022 to 30<sup>th</sup> June 2023.
- Accordingly, our Institute signed an agreement with THE Impact Rankings, United Kingdom on 30.06.2022.
- In connection with the same, the office of the Director (IQAC) initiated to constitute an exclusive SDG cell to focus more activities on SDG.
- Based on the agreement signed between Crescent and THE Impact Dashboard, client engagement manager Ms Chloe Chiong organized a complimentary orientation programme online for the members on 1<sup>st</sup> September 2022.
- The Office of Director (IQAC) and the Sustainable Development Goals (SDG) Cell have jointly organized an Interactive Webinar on THE Impact Rankings Methodology Overview, on 8<sup>th</sup> September 2022, from 11:00 am to 12:30 pm for all the HoDs, Deans, Directors and the members of SDG Cell in CSB Seminar Hall. Mr Ritin Malhotra, Regional Director and General Manager (Asia), Times Higher Education, Singapore, Resource Person, delivered the detailed methodology of THE Impact Rankings 2023.

## 2.2 NIRF India Rankings 2022

- This year ***NIRF India Rankings 2022*** has ranked our Institute as given below.
- ❖ All India Rank: "102" - Engineering Category
- ❖ Rank Band: "102-125" - Management Category
- ❖ Rank Band: "151-200" - University Category

## 2.3 QS Asia Ranking 2022

- The Office of Director (IQAC) submitted the data to the QS Asia Rankings 2022 in February 2022. QS Ranked our institute as 174 in Southern Asia and in the rank band 651-700 in Global.

## 2.4 THE World University Rankings 2022

- The Office of Director (IQAC) submitted the data to THE World University Rankings in March 2022 under Engineering, Physical Sciences and Overall Category. THE World University Rankings has included our Institute in the "Reporter" Category.

## 2.5 Green Institutions Ranking 2022



- The Office of Director (IQAC) submitted the data to the Green Institutions Rankings in March 2022 under the Overall Ranking (Consolidated List for Pan India) and State Ranking (Separate for University and College) Category.
- Our Institute received the Green Institutions Rankings “**No: 15**” across India for the First Time.

## 2.6 DATAQUEST 2022

- Dataquest - CMR **Best T-School Survey 2022** ranked our Institute as the **No. 1** Private Institution in INDIA for two consecutive years – 2021 & 2022.
  - All India Rank: "1" - Private T-Schools Category
  - All India Rank: "3" - South Zone
  - All India Rank: "5" - Overall Ranking
- The DATAQUEST CMR **Digital Index Survey 2021** ranked our Institute for the First Time.
  - 3rd Position – All India (Private)
  - 3<sup>rd</sup> Position – South India (Overall)
  - 10<sup>th</sup> Position – All India (Overall)
- The DATAQUEST CMR **Employability Index Survey 2022** ranked our Institute for The First Time
  - 12th Position – All India (Private)
  - 6th Position – South India (Overall)
  - 19th Position – All India (Overall)

## 2.7 India Today Rankings

- The India Today- MDRA Best Universities Ranking 2022 ranked our institute AIR 28 (Overall) under the Technical Category for the First Time.

## 3. REGULATORY BODIES

### 3.1 AICTE

#### Mandatory Disclosure:

- This year AICTE made it compulsory to update the Mandatory Disclosure and upload the same on the Institute website, (mail received from Member Secretary, AICTE on 19<sup>th</sup> February 2022). The Office of IQAC prepared a complete document and uploaded on the institute website on 09.03.2022.

### AICTE Approval Process 2022-23

- The Office of Director (IQAC) applied for the Extension of Approval (EOA) process for the AY 2022-23 in the AICTE Web Portal on 21<sup>st</sup> April 2022.
- This year, AICTE initiated all the HEIs to upload all the Relevant / Essential documents (approximately 100 documents) to the web portal.
- Based on the documents submitted for ODL/OL, AICTE released a **Letter of Recommendation (LOR) / No Objection Certificate (NOC)** for starting ODL/OL Programmes for the Academic Year 2022-23.
- The No Objection Certificate has been uploaded to the UGC – DEB Portal for applying ODL/OL.

This year, AICTE eased the scrutiny process for the Category – II institutions by verifying the submitted documents Online. Based on the Category Documents and Essential documents submitted, AICTE issued the EOA for the Academic year 2022-23.

## 4. APPLICATIONS SUBMITTED

Subject	Submitted to	Date of Submission
Proforma for inclusion of the Deemed to be University under section 12(B)	UGC	20.08.2021
AICTE CII Survey 2021	AICTE	20.10.2021
Proforma for submission of the information by Institutions Deemed-to-be-Universities granted autonomy for starting Off-Campus Centre(s)	UGC	13.01.2022

## 5. INTERNAL QUALITY

### 5.1 15<sup>TH</sup> MEETING OF IQAC

- The 15<sup>th</sup> meeting of Internal Quality Assurance Cell (IQAC) was held on December 29, 2021 at 11 a.m. in the Seminar Hall III, Convention Centre. The following agenda have been discussed in the Meeting.

Item No.		Presenter
<b>A. Opening</b>		
15.1	Call to Order	Chair
15.2	Confirmation of minutes of the 14 <sup>th</sup> Meeting of IQAC	Chair
15.3	Action Taken Report (ATR) in respect of the 14 <sup>th</sup> Meeting of IQAC	Chair
<b>B. Items for Discussion</b>		
15.4	Admission Statistics & Quality Profile (2021-22)	Director (Admissions)
15.5	Students Feedback – Level I & II : Even Semester 2020-21	Dean (AA)
15.6	Sponsored Research Projects and Industrial Consultancy (2020-21)	Director (CSD)
15.7	Ph.D Enrolment – Graduation Statistics & Research Publications (2020-21)	Dean (Research)
<b>C. Items for Recording</b>		
15.8	Extension & Outreach Activities (2020-21)	Dean (SA)
15.9	AQAR - Annual Quality Assurance Report (2020-21)	Director (IQAC)
15.10	Salient Activities of the Office of IQAC	Director (IQAC)
<b>D. Other Discussions and Adjournment</b>		
15.11	Any other Item with the permission of the Chair	
	Vote of Thanks by the Director (IQAC)	

## 5.2. 16th Meeting of IQAC

- The 16<sup>th</sup> meeting of Internal Quality Assurance Cell (IQAC) was held on March 26, 2022 at 11 a.m. through online. The following agenda have been discussed in the Meeting.

Item No.		Presenter
<b>A. Opening</b>		
16.1	Call to Order	Chair
16.2	Confirmation of Minutes of the 15 <sup>th</sup> Meeting of IQAC	Chair
16.3	Action Taken Report (ATR) in respect of the 15 <sup>th</sup> Meeting of IQAC	Chair
<b>B. Items for Discussion</b>		
16.4	Review of Effectiveness of OBE Implementation	Dean (AA)
16.5	NBA Accreditation for the UG and PG Programmes	Director (IQAC)
16.6	Analysis of activities toward Sustainable Development Goals (SDGs) for THE Impact Ranking (2020-21)	
16.7	International Student Enrolment – UG, PG & Ph.D. - Statistics (2020-21)	Director i/c (CIR)
<b>C. Items for Recording</b>		
16.8	Creation of Common File Storage Repository	Director (IQAC)
16.9	Construction of a micro site for the Office of IQAC	
16.10	Salient Activities of the Office of IQAC	
<b>D. Other Discussions and Adjournment</b>		
16.11	Any other Item with the permission of the Chair	
	Vote of Thanks by the Director (IQAC)	

## 6. EVENTS ORGANIZED / ATTENDED ON QUALITY THEMES

### 6.1 Events Organized

- The Office of Director (IQAC) organized a Training Programme on “Better Understanding of the Nuances in NBA-SAR” on 23<sup>rd</sup> October 2021. The HODs, Deans,

Directors and other Senior Faculty members attended the event. Dr. A. Abudhahir, Director (IQAC) is the Resource Person.

## 6.2 Events Attended

S. No.	Date	Participants / Beneficiaries	Name of the Event	Venue	Time	Organized by
1	15 <sup>th</sup> – 19 <sup>th</sup> November 2021	Dr. A. Abudhahir, Director /IQAC	Executive Leadership Academy	Online	6.30 PM to 11.30 PM	UC Berkeley, California
2	17.03.2022	VC & IQAC Team	Times Higher Education - Meeting - Discuss the key focus areas of our Institute.	Online	11.00 AM	Ritin Malhotra General Manager & Regional Director (Asia) Times Higher Education - World University Rankings
3	29.03.2022	IQAC Team	AICTE Curtain Raiser Program event of Approval Process 2022-23.	Online	10.30 PM to 1.30 PM	AICTE
4	24.05.2022	VC & IQAC Team	EPSI Cir No 614 – Strategy Meeting	Online	4.00 PM	Education Promotion Society for India
5	02.06.2022	IQAC Team	Zoho Meeting for discussion about Qntrl Software, Zoho Corporation	Online	11.00 AM	IQAC
6	04.06.2022	Electronic & Instrumentation Department	Speaker – Webinar on “Significance of Engineering Education in the Modern World”	Online	10.00 AM to 11.00 AM	Electronic & Instrumentation Department

## 7. SHARING AND NETWORKING WITH OTHER INSTITUTIONS

- Dr A. Abudhahir, Director - IQAC, rendered his services as a Resource Person in Seminar / Workshop / Webinar organized by various other institutes online or offline.

S. No.	Name of the Organisation	Program	Date
1.	Tamil Nadu Physical Education and Sports University, Chennai	Extended our support towards preparing for the NAAC Peer Team Visit	02.08.2021 - 04.08.2021
2.	Karunya Institute of Science and Technology, Coimbatore	Expert Member - NAAC Mock Visit	06.08.2021 - 07.08.2021
3.	AMET University, Chennai	Expert Member - NAAC Mock Visit	19.08.2021 - 20.08.2021
4.	Periyar Maniyammai Institute of Science and Technology, Thanjavur	Expert Member - NAAC Mock Visit	01.10.2021 - 02.10.2021
5.	Syed Ammal Arts and Science College, Ramanathapuram	One Day NAAC Orientation Programme of Mock Visit	13.11.2021
6.	Murugappa Polytechnic College, Chennai	Outcome-Based Education (OBE) and NBA Awareness Programme	11.12.2021
7.	Sri Venkateswara College of Engineering, Chennai	Expert Member - NAAC Mock Visit	18.12.2021
8.	Sri Sairam Engineering College, Chennai	Expert Member – A brain storming session on nuances in outcome based education	08.01.2022
9.	Karunya Institute of Science and Technology, Coimbatore	Expert Member - NAAC Mock Visit	28.01.2022 - 29.01.2022
10.	Loyola Institute of Business Administration (LIBA – IQAC)	Discussion about NIRF - Parameters	31.01.2022
11.	M.M.E.S Women's Arts and Science College, Melvisharam	For NAAC Preparation	18.02.2022

12.	Karunya Institute of Science and Technology, Coimbatore	Expert Member - NAAC Mock Visit	05.03.2022
13.	Sri Sairam Engineering College, Chennai	Staff visited our IQAC office	07.03.2022
14.	Shadan College of Engineering & Technology, Hyderabad	Expert Member - NBA Mock Visit	12.03.2022 - 13.03.2022
15.	Karunya Institute of Science and Technology, Coimbatore & PPG Institute of Technology	NAAC Mentoring & NBA Mentoring	01.04.2022 - 02.04.2022
16.	AMET University, Chennai	Nominated as a member in the Advisory Committee for Online, Open and Distance Education	20.05.2022
17.	AMET University, Chennai	Staff visited our IQAC office	27.04.2022
18.	Shri Ram Swaroop Memorial University, Lucknow	NAAC Mentoring	30.05.2022
19.	Karpaga Vinayaga College of Engineering and Technology, Chengalpattu	NAAC Mentoring & NBA Mentoring	02.05.2022
20.	Jerusalem College of Engineering	NBA Mentoring	07.05.2022
21.	AMET University, Chennai	Nominated as a member in the Advisory Committee for Online, Open and Distance Education	20.05.2022
22.	Karunya Institute of Science and Technology, Coimbatore	NAAC Mentoring	20.05.2022 - 21.05.2022
23.	Aalim Muhammed Salegh College of Engineering, Chennai	NBA Mentoring	04.06.2022
24.	Aalim Muhammed Salegh College of Engineering, Chennai	Staff visited our IQAC office	06.06.2022
25.	SRM Institute of Science & Technology, Vadapalani, Chennai	Workshop on NAAC Accreditation	23.06.2022

26.	Dr. Kalavathy Consultant Accreditation & Ranking	Staff visited our IQAC office	05.07.2022
27.	Dr. P.K. Srividhya Registrar & Dr.M. Sharmila Begum HOD / CSE Periyar Maniammai Institute of Science and Technology, Thanjavur	Staff visited our IQAC office	13.07.2022

## 8. FACILITATIONS

### 7.1 Submission of Data through GOOGLE Forms to Statutory Regulatory Bodies

Subject	Date of the Submission
Clarification regarding excess pass-out students against total enrolled/ approved students – PGDM programme	09.06.2021
Action Taken Report on free vaccination for 18-44 years age group starting from 21st June 2021	22.06.2021
Contact details of TPOs and Student Placement Coordinators	24.06.2021
AICTE - International Day of YOGA 2021	28.06.2021
Updation of brief on educational relations with foreign countries	29.06.2021
NITTTR - Mentor Orientation Training Programme	29.06.2021
Opinion/Remarks/Recommendation of Governing Council Members of Association of Indian Universities (2021-22)	23.07.2021
Suggestions for AICTE Approval Process 2022-23 from Stakeholders	17.09.2021
Establishment of Universities/Deemed to be Universities	07.12.2021
Lok Sabha Starred Question Diary No. 443 regarding “Suicide Cases of Students”	31.03.2022
EBSB - Willingness to organize events at institutions	19.05.2022



## **CENTRE FOR SUSTAINABLE DEVELOPMENT (CSD)**

## **CENTRE FOR SPONSORED RESEARCH INDUSTRY AND CONSULTANCY (CSRIC)**

### **❖ 45<sup>th</sup> Indian Social Science Congress (45<sup>th</sup> ISSC)**

A Mega Event of 45 ISSC in association with Indian Social Science Academy (ISSA) was organized in our institute from 28<sup>th</sup> March -1<sup>st</sup> April, 2022. The congress was held with 20 plenary sessions and 43 parallel sessions in different departments. More details can be seen from (<https://crescent.education/45issc-csd/>). The valedictory function was organized with Dr.A.Venu Gopal Achanta, Director, CSIR-NPL, Delhi as a chief guest along with the dignitaries. The 5 day deliberations of the congress was actively participated by 131 outstation participants for all over India and 172 internal registered participants from our University, in addition to about 1000 students and faculty from different departments.

A new policy under Characterization is initiated. It will be a boost for the faculties to do research with their samples analyzed through high-end equipment available outside the institute. This will further promote research filing of patents, writing of project proposals etc.



LtoR Dr. A. Azad (Registrar), Dr. T.Harinarayana, (Local Organising Secretary), Dr. N. Raja Hussain, (Additional Registrar), Mr. BSA ArifBuhary Rahman(Chancellor),  
Dr. G. Parthasarthy ( President ,ISSA 2021), Prof. Dr. Mahadhavan Nair Rajeevan (former secretary , MOES), Dr. A. Peer Mohamed (Vice Chancellor), Dr.ManishDiwan, DBT,  
D.M. Diwakar

❖ **Sponsored Projects:**

A sum of Rs. 318.5 Lakhs received through Government funding agencies and Non-government Agencies from July 2021 to June 2022.

❖ **Seed Money Sanction Report- (2021-22)**

As a part of sustainable development, our faculties have applied for seed money projects for the year 2021-22. A new committee was formed. A new expert committee was formed for the selection of the seed money proposals and the presentation were made by the faculties on 19-05-22, 25-05-22, 27-05-22 and 31-05-22 and 02-06-22. After scrutiny, the committee has recommended to sanction 30 projects. The total cost of the Crescent Seed Money for the projects is Rs 9,05,000/- . The seed money project order copy with Bank cheque distribution event was conducted on July 19th at 2 pm in seminar Hall 3. All the winners are being invited and Vice Chancellor, Dr.A.Peer Mohamed and our Registrar, Dr.N.Raja Hussain in the presence of Dean (Research) distributed the order.



**Seed Money Presentation made by Dr. Revathy Purusothaman in front of the Committee Members. Left to Right (Dr. Ayub Khan Dawood, Dr. S. KajaMohideen, Dr.I. Raja Mohamed**

❖ **Events Conducted from July 2021 – June 2022**

S.No	Title	Date	Venue	Speaker
1.	Report on the release of Seed Money Project	22-04-2022	Seminar Hall 3	Dr.A.Azad
2.	Visit of miss Ann Alexia Anra, sustainable Consultant from M/s Wasted 360 Solutions	08-04-2022	Location: CSD Department	Ms. Ann Alexia Anra
3.	Visit of Japanese Team from M/s Mosaique	18-02-2022	CSE Seminar hall, B.S Abdur Rahman Crescent Institute of Science and Technology.	Dr. T.Harinarayana
4.	Webinar Talk on “Scientific Writing and Publication Ethics”	13-11-2021	Online	Dr. Sneha Gautam IIT Kharagpur
5.	Seminar for Research Scholars Talk on Research Software Tool–Honest publication	04-10-2021	Research Seminar Hall	Dr.Syed HOD, CSE
6.	Teachers Day	06-09-2021	Auditorium B.S Abdur Rahman Crescent Institute of Science and Technology	VC, Registrar
7.	Application Development and TH Code Processing	14-08-2021	Dhanalakshmi Engineering College	Dr.T.Harinarayana
8.	Talk on Renewable Energy, Energy Efficiency and Innovation.	03-07-2021	online	Dr.T.Harinarayana

❖ **Sponsored Projects (July 2021- June 2022)**

S. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator / Co Investigator	Name of Funding Agency	Type (Government/Non-Government)	Department of Principal Investigator / Co Investigator	Year of Award	Funds Provided (In Lakhs)
1.	Synthesis of c-aryl septanosides as analogues of c-aryl glycosidic inhibitors	Dr. S. Bhagavathy	SERB-POWER	Govt.	Chemistry	2022	23.26
2.	Noncontact surface roughness measurement of machined surfaces using the wavelet metrics of laser speckle images	Dr.H. SiddhiJailani, Dr. J. Mahashar Ali	AICTE	Govt.	Mechanical	2022	8.60
3.	Nanoformulation to enhance growth, metabolites production and disease protection for sustainable cultivation of medicinal plants	Dr.S.Hemalatha	State forest Research Institute Division	Govt.	Life sciences	2022	3.00
4.	45 <sup>TH</sup> Indian Social Science congress	Dr.T.Harinarayana	CSIR, MOES, INSA, SERM, ISRO	Govt	CSD	2022	9.00
5	"rGO coated steel fibre with enhanced thermal conductivity and wear resistance for copper free brake pads"	Dr Surya Rajan	DST SERB	Govt	Mechanical Engineering	2021`	18.00

6	Soil Health Reader	Mr.S. Sadhish Prabhu,sadhi shprabhu@c rescent.educ ation Teaching	M/S Vasthak Pvt Ltd(EDII)	Govt	ECE	2021	4.90
7	Lightweight hard hat made of high entropy compounds	Dr.Karunanit hi	Qassim University	Non- Govern ment	Mechanical Engineerin g	2021	35.00
8	Role of naturally occurring small molecules in transthyretin- induced familial amyloid cardiomyopathy	Dr. Sheeza Khan ,Assistant Professor sheezakhan. sls@crescen t.education	Department of Science & Technology (DST)	Govt	Life Sciences	2021	6.74
9	Start up India fund Scheme	Mr.M.Parvez Alam	Ministry of Commerce and Industry Dept for promotion of Industry and Internal Trade	NON Govern ment	CIIC	2021	210.00
<b>Total : 318.5 Lakhs</b>							

❖ **New proposal submitted under-DST SATHI program**

The Department of Science and Technology (DST) is initiating to set up a shared, professionally managed, Science and Technology infrastructure facility, which can be readily be accessible to academia, start-ups, manufacturing units, industries and R&D Labs. Such S&T infrastructure will be known as **Sophisticated Analytical & Technical Help Institute (SATHI)**. These Centers will be equipped with major analytical instrument and advanced manufacturing facility, which is usually not available at Institutes / Organizations. The aim is to provide

professionally managed services with efficiency, accessibility and transparency of highest order under one roof to service the demands of industry, start-ups and academia.

A Mega project worth Rs 47.47 crores applied for funding on 75:25 ratio basis to Department of Science and Technology (DST), New Delhi under SATHI programme. This may likely to enhance the infrastructure facilities of our schools in Science and Engineering. As per the new guidelines, the proposal is being re-submitted under consortium mode.

❖ **New policy proposal to promote faculty to do advanced Research**

Initiated financial support for testing/characterization charges of samples for Crescent faculty/ HoD's/ Deans and students and scholars through their supervisors. In order to promote more Sponsored Projects/ Consultancy/ Research Publication/ Patents, this new policy under Characterization is initiated. It will be a boost for the faculties to do research with their samples analyzed through high-end equipment available outside the institute. This will further promote research, filing of patents, writing of project proposals etc

## PLACEMENT & TRAINING CELL (PTC)

The campus recruitment process started in the month of July 2021, as on date **194 companies** have visited for campus recruitment process and **690** of our eligible students are placed in spite of awaiting results from few companies.

Year	Total No. of Companies Visited	Total No. of students placed	No. of Core Companies Visited	Students Placed in Core Companies	No. of IT / ITES Marketing / Sales Companies Visited	Students placed in IT / ITES / & others
2021-22	194*	690	60	195	134	495

\* - Results awaited some of companies

### Highlights of Placements: 2022 Passing Batch:

- ❖ **Three (3) students** got offer from **Amazon** with salary package of **Rs. 29.30/- Lakhs per annum** through the virtual campus drive that was held during the month of September 2021.
- ❖ **Wiley Mthree** recruitment process conducted in the month of November 2021. **Two** students got offer from B.Tech. (CSE) with salary package of **Rs. 11.00/- LPA**.
- ❖ **Intellipaat** online recruitment process conducted by virtual for MBA / CSB / BBA / B. Com Students. **4 MBA** student got offer with salary package of **Rs. 9.00/- LPA**.
- ❖ **One** of our MBA student got offer from **HomeLane** with salary package of **Rs. 9.00/- Lakhs per annum**.
- ❖ **FIS Global India Ltd** virtual drive conducted during the month of November 2021, **Four (4,)** B.Tech. (CSE- 3 / IT – 1) students got the offer with salary package of **Rs. 8.60/- Lakhs per annum**.
- ❖ **Two** of our MBA students got offer from **ANZ (Australia & New Zealand Bank)** through campus placement held on 18<sup>th</sup> Feb. 2022, with salary package of **Rs. 8.00/-LPA**.

- ❖ **JSW Talen Tech** recruitment process conducted in the month of December 2021, **5 Students** (B. Tech – Mech.- 2 / EEE – 1 / EIE -2) got offer with annual package of **Rs. 8.00/- Lakhs.**
  
- ❖ **Ernst & Young** campus drive conducted through online on 13<sup>th</sup> August 2021. **13** students got offers with salary package of **Rs. 6.37/- LPA** from B. Tech (Circuit branches).
  
- ❖ Wipro Limited virtual drive conducted during the month of September 2021, **Seventy-Eight (78)** students got the offer from various courses with an annual package of **Rs.3.50/- Lakhs.**
  
- ❖ Tata Consultancy Services (TCS) virtual drive conducted during the month of August 2021, **Forty-Five (45)** students got the offer from various courses with an annual package of **Rs.3.50/- Lakhs.**

### **Employability Assessments / Training Programme Conducted**

Employability Online Aptitude Test and employment Skill Knowledge Testing Process was conducted on 20<sup>th</sup> May, 2022 for the Final year B. Tech (CSE, ECE, IT, EEE, EIE.) and MCA students (2023 batch) in association with Aspiring Minds Assessment Pvt Ltd (AMCAT)". 448 students took the test.

Employability pre-online assessment conducted for the final B.Tech. Circuit branch and MCA students on 6<sup>th</sup> March 2022. 40 students have turned up out of 350.

#### **Training Programmes:**

Placement preparedness training for MCA students - 120 nos.

The training was spread across 5 days from 06.06.2022 to 10.06.2022. The topics covered ranged from extempore speech, Speed maths, Resume writing and many more activities





The 5-day full-day training was conducted for BCA / B.Sc. students from 30.05.2022 to 04.06.2022 and during the course of this training students got the learning on topics like Speed Maths, Extempore Speech, Resume Writing - Do's & Don'ts, Tenses, Articles & Prepositions, E Mail Writing, Call Etiquette, Grooming, Guesstimate Problems, Puzzles, etc.,



The Placement and Training department organized a 5-day full-time training program from 23.05.2022 to 27.05.2022 for the pre-final year students of the B. Tech. (CSE / ECE / EEE / EIE / IT)- 2023 Passing batch). A total of 370 students are being trained on technical company specific topics that should help them on gaining technical as well personality development.



A Five days full time training program was conducted for Pharmacy and Law students from 7<sup>th</sup> March 2022 to 11<sup>th</sup> March 2022, on the topic of SWOT analysis, assertive Communication, GD Simulation, Presentation Skills, Guesstimate Problems, Resume Building & Video profiling and Personal Interview etc.



We organised a 5-day full-time **Industry** specific training program for the final year MBA student's 2022 Passing batch from **13.12.2021 to 17.12.2021**. Around 140 students participated this programme.



**Four days** full-time **Core Industry** specific training program for the final year Non placed students of the **B. Tech** (Auto /Civil / Mech. / EEE / ECE/ EIE/ Polymer) 2022 Passing batch from **8.12.2021 to 11.12.2021**. Around 230 students took participate this programme.



Crescent Placement & Training Cell has commenced industry preparedness program for the 1st year MBA students during in the month of October 2021. The training is specifically focused on preparing students for the Internship / placement drives. The learning ranges from analytical thinking, Life Skills,



observations, self-development, management capabilities etc. The program scheduled for 5 days' full time basis. 135 students took the programme.

Placement & Training department has organized **10-day company specific training** on technical aspects for the final year Circuit and non-circuit branch of students. The training started on **21.08.2021** and is got over by **01.09.2021**.



We organised customized Technical Training sessions on 30.07.2021- 31.07.2021 and 02.08.2021 & 03.08.2021. To value add and providing mock tests to the participating students for practical exposure. The training session was provided an orientation to the students on technical, aptitude, and soft skills that are required to clear through the interview process



A 7 days training program arranged on Aptitude, Soft skills, CV, Personal Development, Interview skills, Fundamentals of Networking & Security Cloud for final year students from 28.06.2021 to 05.07.2021. 800 students had participated.

**Conference / Seminars / Pre- Placement Talks:**

ZIFO RnD - Pre Placement Talk held on 03.06.2022 FN Session for forthcoming campus placement for Life Science students.



M/s. Cognizant Technology Solutions (CTS) Leaders Connect talk (pre-placement talk) was organized on 16.06.2022 for the B.Tech. (all streams) pre-final year students of 2023 passing batch. Mr. Saravanan Palaniswamy, VP and SBU Head Delivery – Product and Resources: UK & Ireland, Cognizant and HR Team of Cognizant, Mr. Paramjeet Singh (Param), Engagement Delivery Partner of Manufacturing & Logistics portfolio for the UK and Ireland market, Mrs. Rophia Rose – Senior Manager and Ms. Sujithra – Junior Executive – HR, addressed to the students.



We are delighted to share that Mr. Saravanan Palaniswamy is a Crescent Alumni who pursued B. Tech. CSE in 1997.

M/s. Wipro Limited pre-placement talk was organized for B.Tech. (all streams) pre-final year students of 2023 passing batch. Mr. Anandhakrishnan Devaraj, Region Lead, – Tamil Nadu & Puducherry – Fresher’s Hiring Human Resources, Global Campus Hiring Team, Wipro Limited, addressed to the students on 1<sup>st</sup> June, 2022.



CSS CORP – Academia Partnership Conclave through online held on 30.05.2022



**Sharpsys Software Solutions** workshop was organized on a topic of “Enterprise Resource Planning (Key to secure your IT future)” at our University premises for B.Tech./ B. Com / M. Com./ B.Sc. / BCA. and MCA students of 2022 passing out batch at our Institute premises. **Mr. Harikrishnan Indrababu, CAO at Sharpsys**, delivered a brief Lecture about



ANZ Bank Webinar conducted for the MBA students. Ms. Aprajita Behara & Ms. Pragati Sharma were give a brief speech to the student. 35 students took participated



We organized TPI Composite Pre-placement talk for our final year students on 11<sup>th</sup> February, 2022 .



NIIT Campus Pre placement talk organized for the B, Tech. Circuit branches. 17 students participated in this event.



Industrial Academia Collaboration Meet held between BSACIST and S10 Healthcare India Pvt Ltd on 06.12.2021



The Placement and Training Cell & the School of Computer, Information and Mathematical Sciences jointly organized a Faculty Technical Interaction on Topic “Machine Learning / Deep Learning today” at our Institute premises. Resource Person: Mr. Thahir Mohamed, Applied Science Manager in AWS Amazon interacted with the faculty.



Wipro orientation programme was organized at our University premises on 4<sup>th</sup> December, 2021 for Wipro offered students. Mr. Anandhakrishnan Deveraj, Region Lead – Tamil Nadu & Pondicherry – Elite & WILP hiring, Global Campus Hiring team, Wipro Limited delivered a brief Lecture about the on boarding and documents uploading etc. Around 60 students have participated out of 78 selected students.



## Webinars

Technical and placement preparedness webinars was conducted in collaboration with the industry experts, skills assessment partners, Crescent Alumni and ICT Academy.

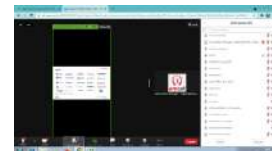
Leadership webinar on 'Machine Learning at Amazon' held on June 16, 2022 from 4:00 PM - 5:00 PM IST. This webinar was for students enrolled in B. Tech / BE / ME/ M.Tech. / Masters by Research / MS / Integrated Masters / PhD full-time degree and graduating in 2023 or 2024.



Organized a Virtual 'Technology Conclave 2021' powered by the ICT Academy on 10 Nov 2021 from 10.00 am to 12.30 pm. The key eminent speakers who addressed the Conclave were, Mr. Rishabh Gaur, Technical Director, Microsoft Corporation India Ltd.  
 Mr. Sahil Nayar, Senior Associate, Director, KPMG  
 Mr. Anup Mishra, Director, Product Development, Oracle



AMCAT orientation programme for UG / PG final year students of 2022 passing batch held on 19<sup>th</sup> July, 2021



**Organization Visits**

Mr. Mitsutaka Sekino, Founder & Managing Director, \*Miraist Private Ltd\*., and \*Mr. Teruyuki Akiyama, Managing Director from Forum Engineering Inc.,\* (Japanese Company) and team members visited our Institute/ P&T on 30<sup>th</sup> May ,2022 and discussed industry collaborations, internships and overseas campus Placement for our Students.



Mr. Hiro Ishida , Founder & Mr. Sathya Moorthy, Design Engineer from Mosaique Private Limited, (Japanese Company) and his team members visited our Institute/ P&T today on 18<sup>th</sup> February, 2022 and discussed industry collaborations, internships and overseas campus Placement for our Students.



L & T, Chennai Region Vice President and his team, visited our Institute campus on 6<sup>th</sup> September, 2021 to discuss with our students about the “Industry Academia collaboration, students Internship and Placements.”



**ACHIEVEMENTS:**

We have received an Appreciation Certificate from Thiru. C. V. Ganesan, Hon’ble Minister for Labour Welfare, Population, Employment and Training, Census, Urban and Rural Employment, Thiru R. Kirlosh Kumar, IAS., Secretary to Government, Employment and Training, Thiru. K. Veera Raghava Rao, I.A.S, Director of Employment & Training, Govt. of Tamil Nadu & their team.



Received an Appreciation Certificate from our District Collector Thiru. A. R. Rahul Nadh, IAS., on 7th April 2022, in connection with Mega Job Mela 2022.



We got the top achievers award from HCL Technologies on 28.04.2022



Our University secured 216 All India rank (Out of 1530+ participating colleges across India) and 77 Zonal rank (Out of 619 participating colleges across South Zone) Our university students made use of Internshala platform to register and get internship opportunities across India.

Over 1500 colleges participated and were able to help achieve 67,300+ summer internship selections for their students through Internshala

Director – Placement & Training got the appreciation certificate from Internshala on Intership Day held virtually on 24<sup>th</sup> August, 2021.



**MEGA JOB MELA – 2022**

The District Administration of Chengalpattu, Department of Employment & Career Guidance Centre, Kanchipuram, Tamil Nadu State Rural & Urban Livelihood Movement along with **B.S. Abdur Rahman Crescent Institute of Science and Technology** organized the **“Mega Job Mela - 2022”** to provide employment opportunities for the candidates.

The Honorable Chief Minister of Tamil Nadu **Thiru. M. K. Stalin inaugurated the Mega Job Mela 2022 on 20<sup>th</sup> March, 2022 at our Institute premises.** On the occasion, Honorable Ministers Thiru. T.M. Anabarasam, Minister of Micro, Small and Medium Enterprises (MS&ME) and Thiru. C. V. Ganesan, Minister of Labour Welfare and Skill Development, Mr. Veeraragav Rao, IAS. Director, Employment & Training, Kanchipuram, A. R. Raghul Nath, IAS, District Collector of Chengalpattu and Mr. BSA Arif Buhary Rahman, Chancellor of this Institute. Also present were Ministers, District Collector & various officials from the government departments. The event was specifically focused on providing employment opportunity to the range of candidates with the qualifications from 8<sup>th</sup> pass till the degree holders.

**Two of our Engineering students received offer letter from Honorable Chief Minister of Tamil Nadu.**



Ms. Poornima - B.Tech. Civil Engineering received the offer letter from Honorable Chief Minister of Tamil Nadu in the Job Mela conducted on 20<sup>th</sup> March, 2022 at BSA Crescent Institute of Science & Technology.



Mr. Asrarullah Sheriff - B.Tech. Mechanical, received the offer letter from Honorable Chief Minister of Tamil Nadu in the Job Mela conducted on 20<sup>th</sup> March, 2022 at BSA Crescent Institute of Science & Technology.



## INDUSTRY INSTITUTE PARTNERSHIP CELL

### 1. SEMINAR / WEBINAR

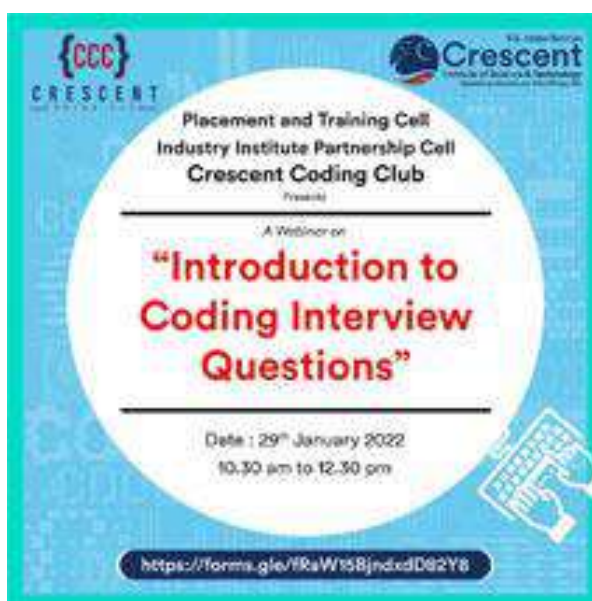
#### a) Webinar on “The Future of App Industry”



- The Industry Institute Partnership Cell in association with School of Computer, Information and Mathematical Sciences organized a Webinar on “The Future of App Industry” on 25<sup>th</sup> February 2022 at 5.30 pm.

### 2. CRESCENT CODING CLUB

#### a) Webinar on “Introduction to Coding Interview Questions”



- The Industry Institute Partnership Cell & Crescent Coding Club conducted a Webinar on “Introduction to Coding Interview Questions” on 29<sup>th</sup> January 2022 from 10.30 am to 12.30 pm.
- There were 5 coding questions discussed in the webinar – Anagrams, Frequency sort, Mirror tree, Let’s go Veg and Fibonacci and the solutions were explained by the Crescent Coding club Office bearers

and the guest speaker.

### b) Monthly Coding Contest #3



- The Industry Institute Partnership Cell & Crescent Coding Club conducted the Monthly Coding Contest #3 on 18<sup>th</sup> March 2022 from 10.30 am to 12.00 pm. The contest was conducted on Hackerrank website at the Common Computing Lab in the Computer Science Block.
- There were 3 challenges included in the contest – Count Odd Numbers in an Interval Range, Equilibrium Index and Most Isolated Seats.

### c) Webinar #2 on “An Introductory Programming Session and How to develop a simple snake game”



- The Industry Institute Partnership Cell & Crescent Coding Club conducted a Webinar on “An Introductory Programming Session and How to develop a simple snake game” by Mr. Rishub C. R. (B.Tech ECE – IV Year), Vice President – Crescent Coding Club on 11<sup>th</sup> June, 2022 from 10.30 am to 12.30 pm.

#### d) Monthly Coding Contest #4



- The Industry Institute Partnership Cell & Crescent Coding Club conducted the Monthly Coding Contest #4 on 10th June 2022 from 1:00 pm to 4:00 pm in the IBM Lab – Computer Science Block.
- The contest was conducted on Hackerrank website. Challenges included in the contest were – Left Rotation, Equilibrium Index & Climbing Leader Board.

### 3. STUDY OVERSEAS

#### a) Seminar on “Abroad Education – Your Gateway to a Rewarding Future”



The Industry Institute Partnership Cell organized a Study Overseas Seminar on “Abroad Education – Your Gateway to a Rewarding Future” on 16<sup>th</sup> March 2022 at 10.30 am for pre-final & final year students of School of Computer, Information and Mathematical Sciences (CSE Dept.) by Mr. A.Vinayakam – IMIMS

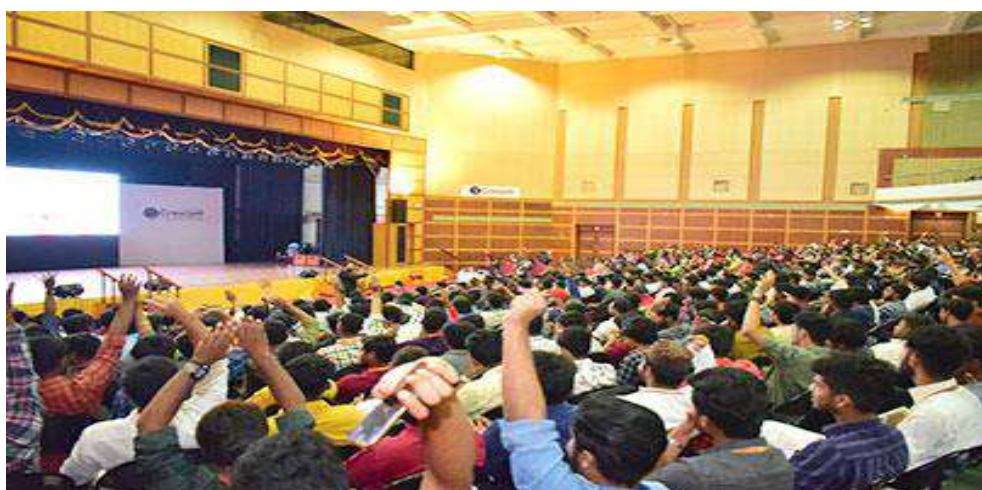
**b) Seminar on “A complete guidance on Overseas Education”**



The Industry Institute Partnership Cell organized a Study Overseas Seminar on “A complete guidance on Overseas Education” on 23<sup>rd</sup> March 2022 at 10.30 am for pre-final & final year students of the School of Electrical & Communication Sciences (EEE & ECE) by Mrs. Spoorthi Sagar, Admission Director, Walk International.

**4. CAREER GUIDANCE**

**a) Seminar on “Successful Career Planning, Higher Education & Technical Profile Building”**



The Industry Institute Partnership Cell organized a Career Guidance Seminar on “Successful Career Planning, Higher Education & Technical Profile Building” on 8 April 2022 from 10.15 to 11.45 am for 3yr. B Tech students by Mr Abhishek Gupta, Founding Member, Career Labs.

**b) Seminar on “Career opportunities in Civil services UPSC / TNPSC”**



The Industry Institute Partnership Cell organized a Career Guidance Seminar on “Career opportunities in Civil services UPSC / TNPSC” on 20<sup>th</sup> May 2022 from 11.00 am to 12.30 pm by Mr. Vivek HariNarayan IAS, Former IT Secretary, Govt. of TN & Prof Sathyashree Boominathan, Managing Director, KingMakers IAS Academy

**5. INDUSTRY CONNECT**

**a) Industry visit – Confederation of Indian Industry (CII) – EXCON, Bengaluru**



The Industry Institute Partnership Cell jointly with the School of Infrastructure – Department of Civil Engineering organized an Industry visit for our first Year M.Tech. Construction Engineering & Project Management (CEPM) students who visited CII EXCON, Bengaluru on 20.05.2022 to get an exposure on various construction equipments.

#### **b) University visit – Gibraltar Partner from Qatar**



- Mr Khader Peer Shariff & Mr. Sateesh from Gibraltar Technologies & Mr. Naveen Balakrishnan, Service Delivery head of Mannai HP solutions Compute and Print Solutions, Qatar visited us on 26 July 2022 at 11 am and had fruitful discussions & Industry Interactions regarding the internships for our students for FIFA World Cup needs, etc.

#### **c) Renault Nissan**

- Mr Sai, Engineering Division, Renault Nissan visited our Institute on 15 April 2022 & interacted with the students regarding Campus Placements, Industry Institute Collaboration, etc.



## DATA CENTRE

- Crescent File Storage rolled in AWS Cloud with 500GB storage capacity for storing IQAC data and Institute's Department Data. This will help store all the critical data in a safe and secure environment providing access anytime from anywhere. In addition, the data is backed up regularly and will avoid loss of critical data.
- Active Directory setup for faculty and student initiated which is recommended by AICTE under Cybersecurity policy. This will help users to login securely with a unique user ID and password and access data inside the institution along with browsing the internet through our Wired and Wireless network. This will eventually end common logins into the network thereby preventing unwanted security incidents.
- In Crescent LMS for the Odd Semester 2021-22, we have created and mapped around 1467 courses.
- In Crescent LMS for the even Semester 2021-22, we have created and mapped around 1381 courses.
- 660 Desktop Systems were purchased and placed in the Computer Laboratory at various departments for the benefit of Staff and Students.
- 60 users of Adobe licenses renewed for Campus wide usage to meet the curriculum and syllabus.
- 400 users of Microsoft licenses renewed for Campus wide usage.
- 30 KVA UPS were purchased and installed in the Computer Science Department.
- 40TB EMC NAS storage System were purchased and installed in our Data Centre for ODLE.



## CENTRAL LIBRARY

### FACTS AND FACILITIES

The Central Library of B.S.Abdur Rahman Crescent Institute of Science and Technology has huge collections of books and journals in the field of Science, Engineering, Technology, Pharmacy, Law, Management and Humanities.

The Library functions 16 hours in a day (08.00 am to 12.00 midnight), Saturdays and Sundays also the library is working. The Library is well connected with School/Department Libraries, functioning in all the schools and departments.

The Digital Library of the Institute is working 24/7. The Library has membership in [National Digital Library of India](#), under the mission of National Knowledge Network. The Library member in [Shodhganga](#) to upload PhD thesis. The Library is member in [eShodhSindhu](#) and all the online resources are being subscribed through this consortium.

The Library is member of DELNET (Developing Library Network), MALIBNET (Madras Library Network), British Council Division, Anna University - Chennai, American Information Resource Centre and Structural Engineering Resource Centre (SERC), Chennai.

The Library is subscribing online journals such as ASCE, ACM, ASME, IEEE, EBSCO Art & Architecture, ProQuest, Royal Society of Chemistry, SPRINGER, All India Reporter, Supreme Court Cases and Manupatra. All these resources can be accessed from anywhere at any time by any device through '[Remote Access](#)'.

The Library has the facility to check plagiarism through [Turnitin](#) software. Library conducts 'Annual Book Exhibition', regularly, which enable our staff, research scholars and students to go through hundreds of titles of their area of interest under one roof.

## OBJECTIVES OF CENTRAL LIBRARY

- To support and facilitate Teaching, Learning & Research activities of the Institution.
- To serve as information centre for our user community.
- To make Library & Information systems, as user friendly as possible with the applications of ICT tools.
- To provide appropriate and comfortable environment for the use of library resources.

## Books & Journals Purchased during the Year 2022

Description	Books Purchased (till December 2021)		Periodicals Subscribed	
	Volume	Title	Online	Print
<b>Books Purchased in the year 2021</b>	<b>2468</b>	<b>956</b>	<b>17065</b>	<b>278</b>
<b>Total Books Available</b>	<b>107795</b>	<b>59022</b>		

## LIBRARY RESOURCES

### Print Books

The Central Library has 107795 volumes of books in 59022 titles on different discipline covering all major fields of Engineering, Technology, Law, Health Science, Life Science, Social Science and Humanities.

S.No	Department	No.of Volumes	No.of.Titles	Periodicals	
				National	International
1	CIVIL	9091	4679	16	141
2	ARCHITECTURE	3207	2204	27	1086
3	AUTOMOBILE	2711	1083	10	152
4	MECH	8395	4684	14	252
5	AERONAUTICAL	2733	1209	6	97

6	EEE	7880	4537	7	1570
7	ECE	7785	4792	7	2364
8	CSE	8141	4512	6	2255
9	IT	5067	2204	7	1614
10	E&I	5118	2592	6	153
11	PT	3942	1811	7	32
12	MCA	6163	3210	6	1478
13	LAW	4182	1672	62	93
14	PHARMACY	2154	873	7	28
15	MBA	10519	6320	45	4357
16	MATHS	2653	690	4	179
17	PHYSICS	1406	725	4	156
18	CHEMISTRY	1299	965	4	204
19	LIFE SCIENCE	880	716	6	365
20	ARABIC & ISLAMIC 7058	9201	5949	3	10
20	SOCIAL SCIENCE	2440	1432	7	336
21	GENERAL	2828	2163	17	143
	<b>TOTAL</b>	<b>107795</b>	<b>59022</b>	<b>278</b>	<b>17065</b>

## II. e-Books

The revolution, which took place in information and communication technology (ICT), has made a paradigm shift in the route to access library & information centers. Realizing the importance of e-access and its advantages, the library has shifted its focus towards paid subscription as well as open access e-Books. The Central Library of our Institute has 17400 eBooks.

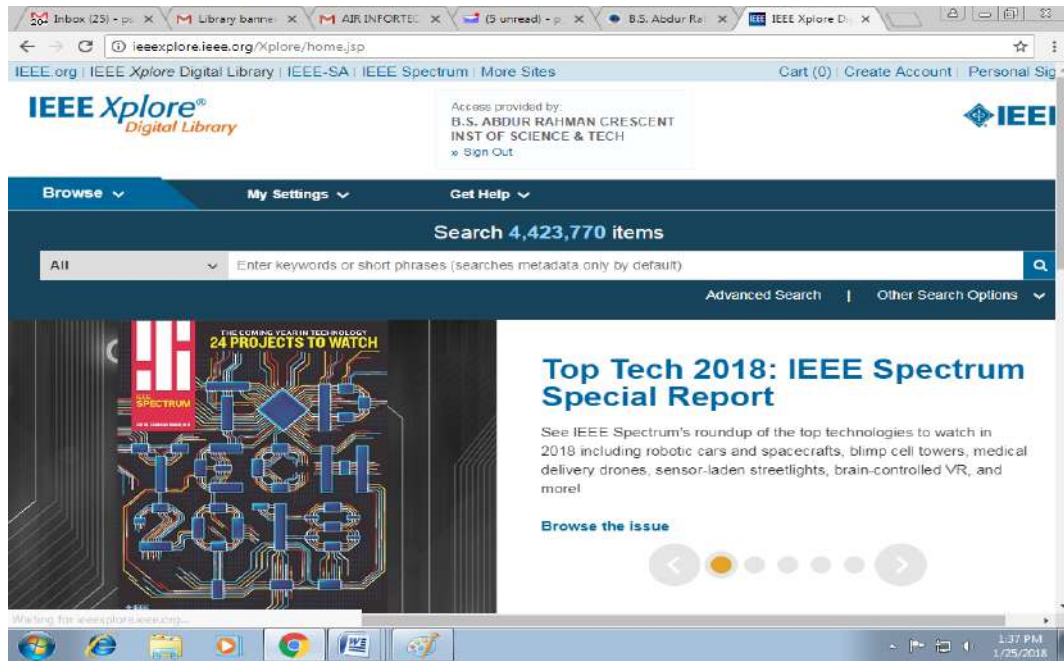


The Central Library is subscribing over 17 thousand online journals in the disciplines. These e-journals can be accessed anywhere in the world at anytime by any device. For the current year, the journals have been renewed and remote access facility is made available for the same. The Central Library is conducting various

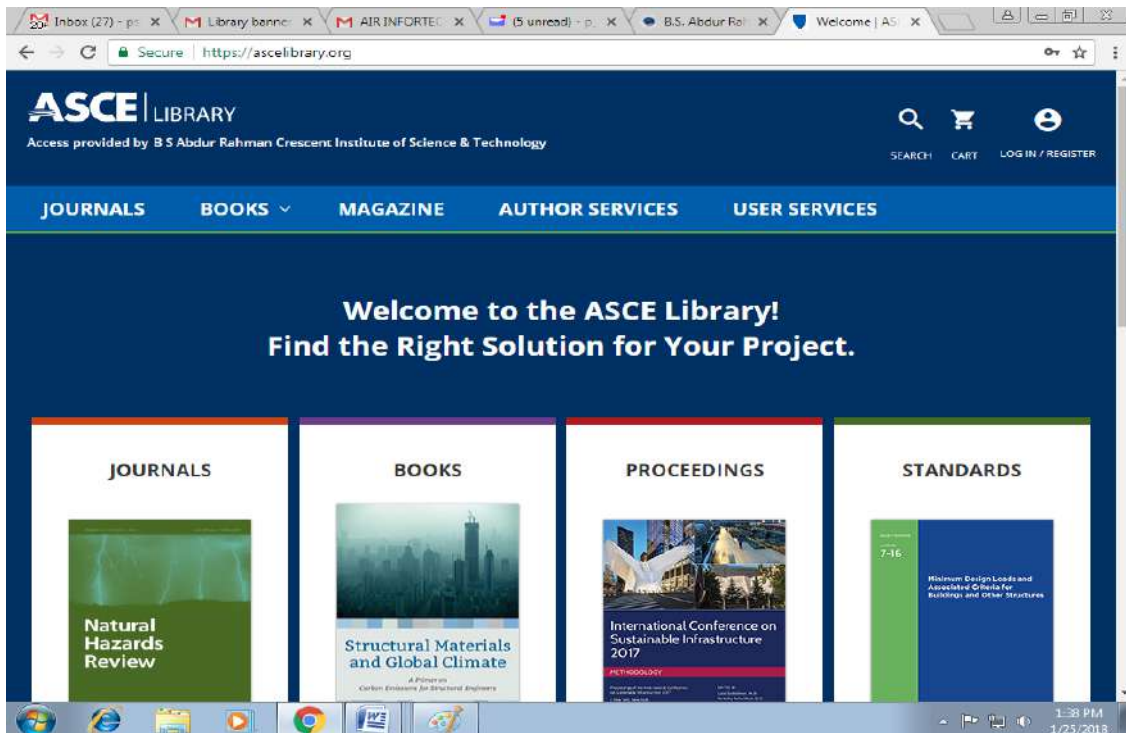
awareness and orientation programs for effective and efficient utilization of the journals.

The following e-Journal packages have been renewed for the year 2022.

### IEEE



### ASCE



## ASME

## ACM Digital Library

## SPRINGER

The screenshot shows the Springer website interface. At the top, there are navigation tabs for 'Inbox (27)', 'Library banner', 'AIR INFOFORTEC', '(5 unread)', 'B.S. Abdur Ra...', and 'Home - Spring...'. The browser address bar shows 'https://link.springer.com'. The main content area is titled 'Featured Books' and displays four book covers: 'Bioactive Molecules in Food', 'Encyclopedia of Global Archaeology', 'Encyclopedia of Personality and Individual Differences', and 'Encyclopedia of International Higher Education Systems and Institutions'. To the left, a table lists resource statistics:

Browse 11,887,844 resources	
Articles	6,272,989
Chapters	4,096,855
Conference Papers	968,016
Reference Work Entries	500,572
Protocols	49,212

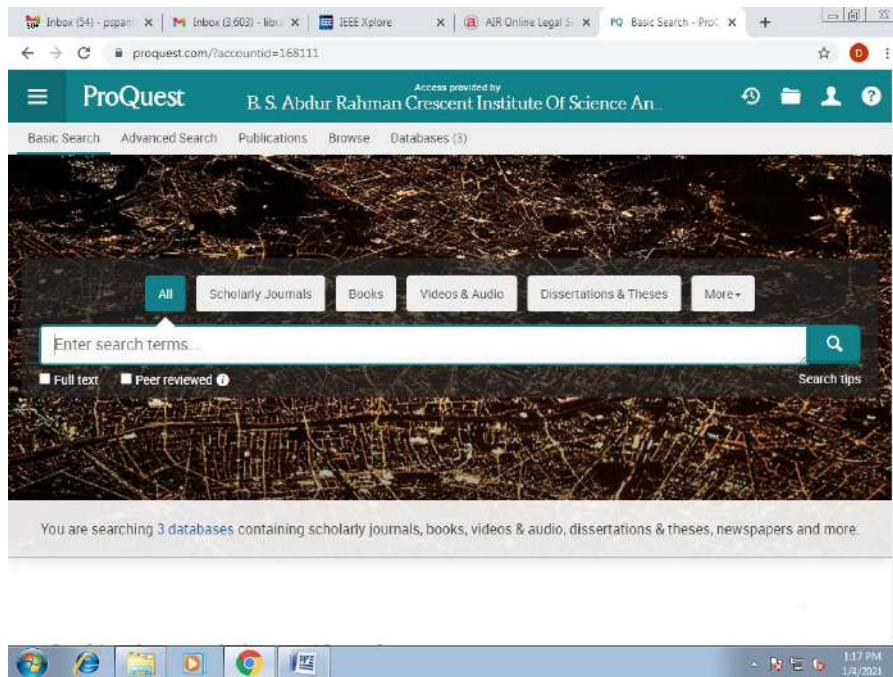
Below the statistics, there is a message: 'Over 10 million scientific documents at your fingertips' with a 'Browse by Discipline' dropdown menu. The footer section includes 'Our Content' (Journals, Books, Book Series, Protocols, Reference Works), 'Other Sites' (Springer.com, SpringerProtocols, SpringerMaterials, Adisnlight), and 'Help & Contacts' (Contact Us, Impressum). The Springer Nature logo and copyright information are also present.

## EBSCO Art & Architecture

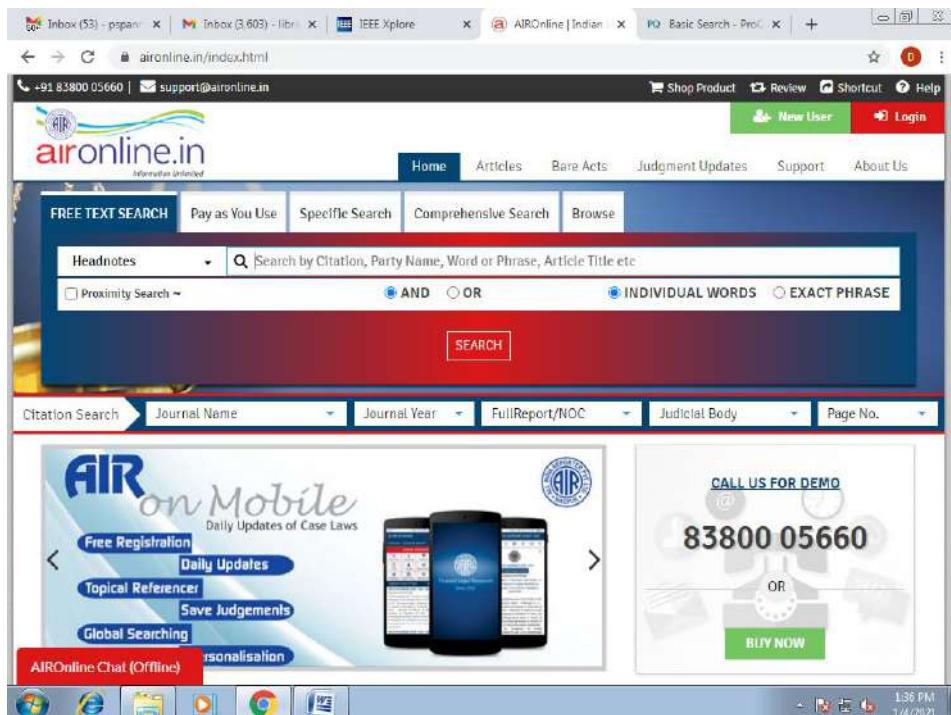
The screenshot shows the EBSCOhost 'Choose Databases' page. The browser address bar shows 'web.a.ebscohost.com/ehost/search/selectdb?vid=0&vid=2895d566-ed2a-4f8a-8200-feeedbfe88ae%40sessionmgr4009'. The page title is 'Choose Databases' and it includes a 'Continue' button. The page lists three database options:

- Business Source Elite**: This business database provides full text for over 1,000 business publications. The rich collection of titles in Business Source Elite provides information dating back to 1985. More than 10,100 substantial company profiles from Datamonitor are also included. This database is updated on a daily basis via EBSCOhost.
  - Title List
  - More Information
- Art & Architecture Complete**: Art & Architecture Complete provides full-text coverage of 380 periodicals and more than 220 books. In addition, this database offers cover-to-cover indexing and abstracts for more than 780 academic journals, magazines and trade publications, as well as for over 250 books. Art & Architecture Complete also provides selective coverage for 70 additional publications and an Image Collection of over 63,000 images provided by Picture Desk and others.
  - Title List
  - More Information
- Regional Business News**: This database provides comprehensive full text coverage for regional business publications. Regional Business News incorporates coverage of more than 80 regional business publications covering all metropolitan and rural areas within the United States.
  - Title List
  - More Information

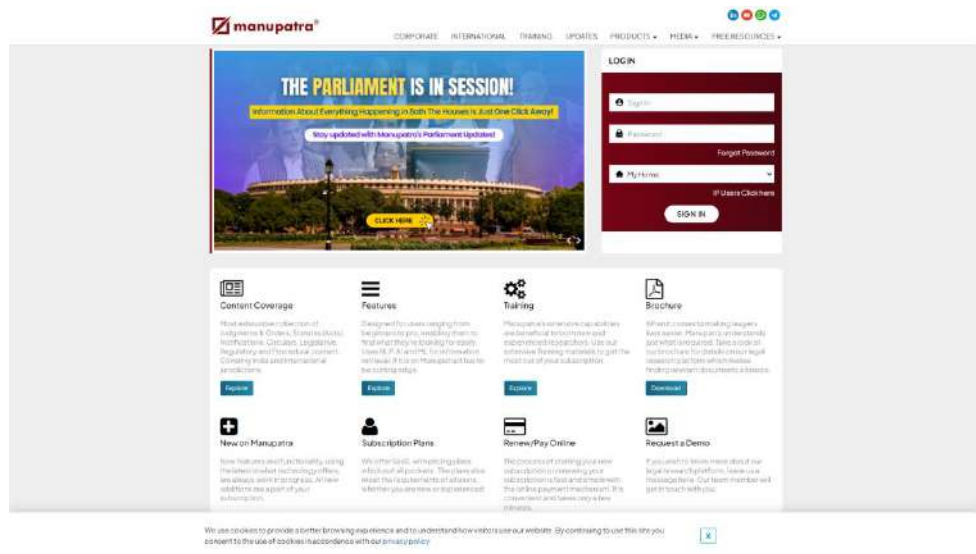
## ProQuest Management



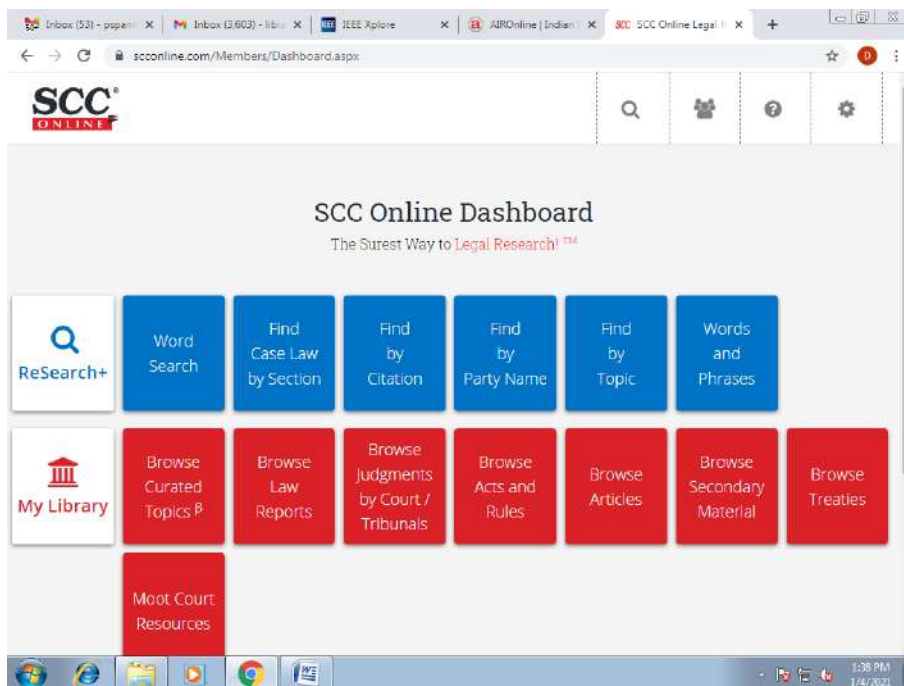
## All India Report (LAW)



## Manupatra Online Database



## Supreme Court Cases (LAW)





## CMIE Database



## e - JOURNALS - DEPARTMENT WISE

Department	e-Journals
CIVIL	141
ARCH	1086
AUTO	152
MECH	252
AERO	97
EEE	1570
ECE	2364
CSE	2255
IT	1614
PHARMACY	28
E&I	153

Department	e-Journals
POLYMER TECH	32
MCA	1478
MBA	4357
MATHS	179
PHYSICS	156
CHEMISTRY	204
LIFE SCIENCE	365
SOCIAL SCIENCE	336
LAW	93
GENERAL	143

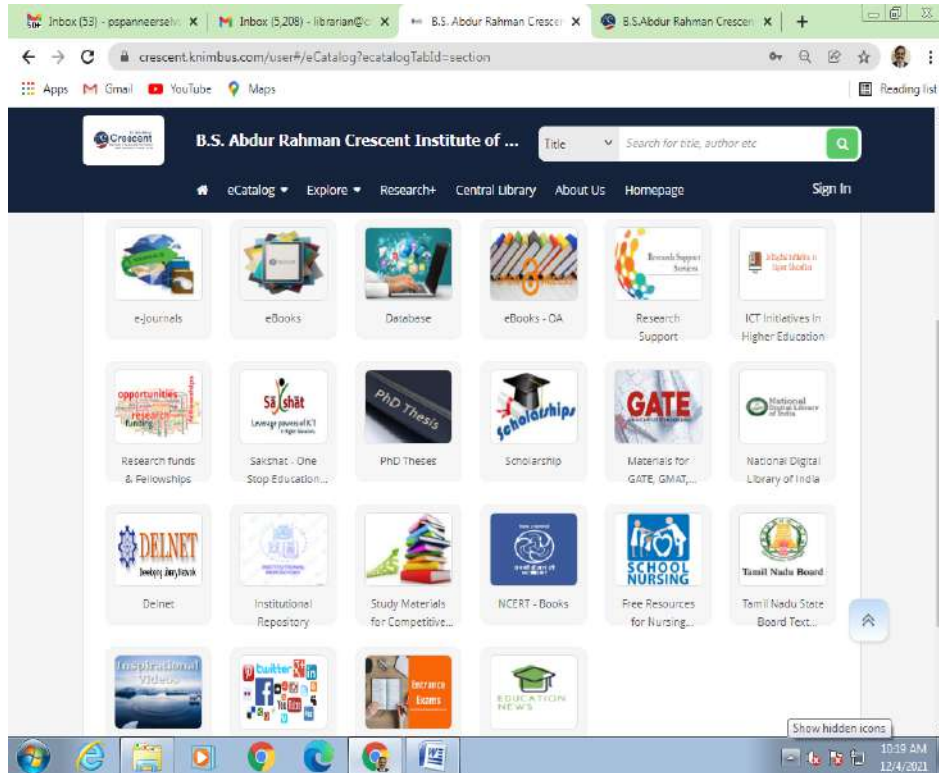
## PRINT JOURNALS

The Central Library subscribes 'Print Journals' for use of all the disciplines as recommended by the various departments. The current year (2021), it subscribes 278 Journals and Magazines. The back volumes of the journals are bound every year and made available for reference.

Department	Print Journals
CIVIL	16
ARCH	27
AUTO	10
MECH	14
AERO	6
EEE	7
ECE	7
CSE	6
IT	7
PHARMACY	7
E&I	6
POLYMER TECH	7
MCA	9
MBA	45
MATHS	4
PHYSICS	4
CHEMISTRY	4
LIFE SCIENCE	6
SOCIAL SCIENCE	7
LAW	62
ISLAMIC STUDIES	3
GENERAL	17

## Strengthening of eLibrary

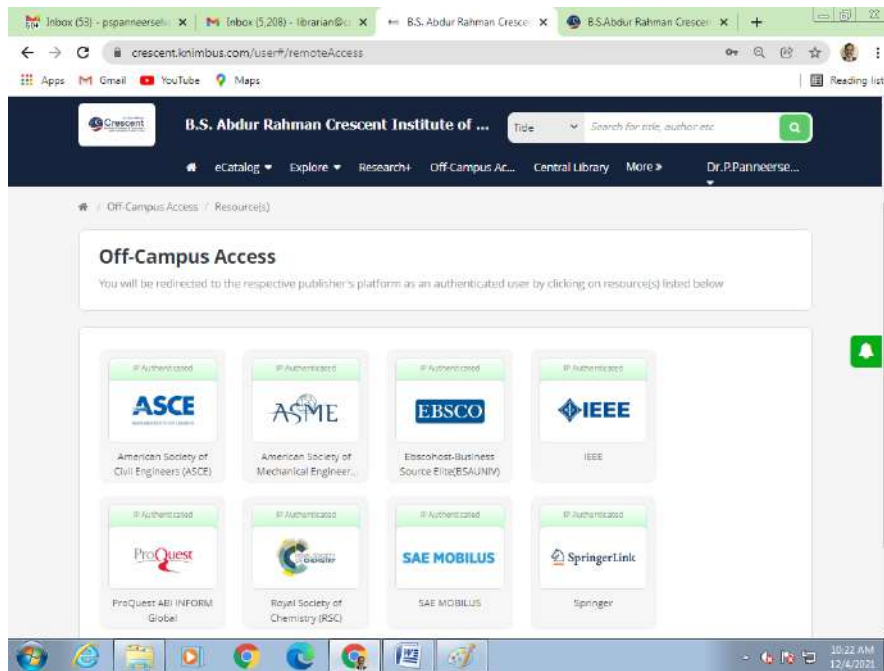
The Central Library has added various academic and research support resources in the e Library portal. Off-campus access has been made available, hence the staff, students and research scholars can access these contents from anywhere at any time through any device.



## Remote Access



Knimbus helps provide users with remote access to Web-based licensed content offered by libraries. **Middleware** authenticates library users against local authentication systems and provides remote access to licensed content based on the user's authorization



### Mobile APP

Knimbus can access library resources through Mobile App. All the members of the Institution are eligible to access library resources. Through this Mobile APP, the members can view and download full text of the subscribed and open access journals, can view library catalogue and reserve the book, oversee their account, educational videos, etc.

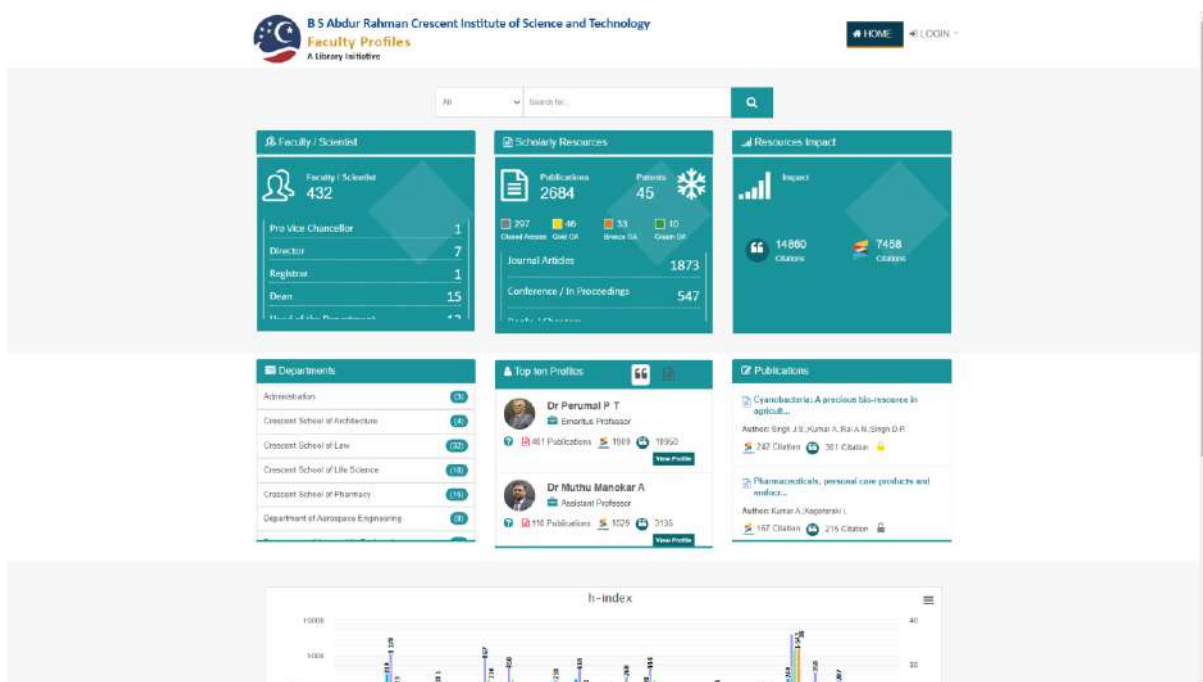


The Central Library has formed the National Digital Library of India Club (NDLI Club) to promote reading habits in the campus. Over seven lakhs e-Resources are available in the National Digital

Library of India to support and facilitate academic and research activities. All the staff, students and research scholars are encouraged to utilize these free e-Resources.

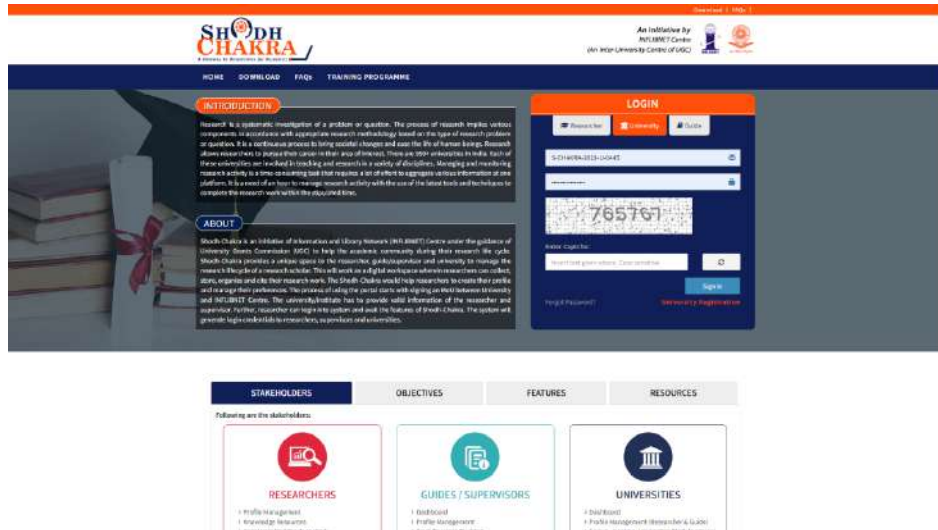
### IRINS – Indian Research Information Network System

The Central Library has enrolled membership in IRINS Database, which is developed by the INFLIBNET Centre. All the faculty details have been uploaded in the Database. Through this Database the important information such as Department/School wise Faculty details, their publications, work experience, domain expertise, h index of the Department/School, highest number of publications have been identified. The Central Library of BSACIST is the responsible for updating the Database for the Institution.



### Membership in Shodhchakra

The Central Library has enrolled its membership in Shodhchakra, which is developed by the INFLIBNET Centre to facilitate Research activities in the University. The Research scholars and Guide details were sent to the Shodhchakra for the same.



## Library Advisory Committee

The Central Library has the Library advisory committee for Advising on funding needs necessary to efficiently provide the type and quality of services needed by the user community within the context of a research environment.

Advising on general policies related to the quality/depth of collections, services, instruction program, and infrastructure, as well as on major new initiatives and assessment processes. Participating in strategic visioning with corresponding benchmarking criteria.

Considering broad national issues pertinent to scholarly communication and open access, and communicating its perspectives, as appropriate, within and externally to the Institution.

Facilitating communication with and obtaining feedback from the user community on library collections, programs, services, infrastructure, and communication mechanisms

For the current year, the meeting was conducted on 25.02.2022 (Friday). In addition to the above members, research scholars and students were invited for the meeting.

## Integration of BSA Group of Institutional Libraries

The Central Library of BSACIST has initiated to integrate the BSA Crescent Group of Institutional Libraries for sharing the e-Resources for academic, research & development and extension activities. It was formally inaugurated by our Honorable Chancellor on 6th October 2021. Fair access and download policy has been framed and communicated to all

the Heads and Library staff of Sister Institutions with a request to strictly follow the procedure.

A webinar was conducted on 6<sup>th</sup> October 2021 with all the Heads of Sister Institutions and demonstrated the e Library and its contents for better understanding and access.

### **Monthly Meeting**

The Central Library conducts monthly meetings on every month to review the progress and plan for the future activities.

### **Orientation Programs on e-Journals**

The Central Library has organized orientation programs on its subscribed e-Journals. Orientation program on IEEE e-Journals was conducted on 30.June 2022. Awareness program on Knimbus online platform has been conducted on 31.08.2022 and 16.11.2022. Online training on Supreme Court Cases e-journals was conducted during 10.11.2022. Webinar on ProQuest database was conducted 12.12.2022. The publishers conducted these technical sessions. Faculties, research scholars and students were participated in these orientation programs.

### **Special Coaching Program for BSA Crescent Group of School Students**

Crescent Central Library in association with School of Physical & Chemical Sciences and School of Social Sciences has successfully organized Special Coaching programme for Crescent Group of Institutions from 3rd March 2022 to 11 March 2022. This program was conducted onsite, the Faculty from above mentioned Schools physically went and took the classes on identified topics, the Faculty interacted with the Students and cleared their doubts.





  
**CENTRAL LIBRARY**  
**ACCESS TO e-RESOURCES**


Library Portal : <https://bsau-library.blogspot.com/>

**e-Journals Access**

Remote Access : <a href="https://new.knimbus.com/">https://new.knimbus.com/</a>	Mobile APP: Download 'mLibrary' in playstore
IEEE : <a href="https://ieeexplore.ieee.org/Xplore/home.jsp">https://ieeexplore.ieee.org/Xplore/home.jsp</a>	Springer Nature: <a href="https://link.springer.com/">https://link.springer.com/</a>
EBSCO Architecture &	All India Reporter: <a href="https://www.aionline.in/">https://www.aionline.in/</a>
Business Source Elite <a href="http://search.ebscohost.com/login.asp">http://search.ebscohost.com/login.asp</a>	ASME : <a href="https://asmedigitalcollection.asme.org/journals">https://asmedigitalcollection.asme.org/journals</a>
ASCE : <a href="https://ascelibrary.org/journals">https://ascelibrary.org/journals</a>	SCC : <a href="https://www.sconline.com/">https://www.sconline.com/</a>
ProQuest: <a href="https://www.proquest.com/">https://www.proquest.com/</a>	

**eBooks Access**

eBooks Access: <http://192.168.1.232:9090/xmlui/community-list>



NPTEL Course Materials: <http://192.168.1.233/localGuru/>      National Digital Library: <https://ndl.iitkgp.ac.in/>

**TEXT BOOKS AND REFERENCE BOOKS RACK LOCATION**

RACK NO.	TEXT BOOKS SECTION (RIGHT WING)	REFERENCE SECTION (LEFT WING)
1 – 18	ECE	R <sub>1</sub> – R <sub>2</sub> Encyclopedia & Dictionary
19 – 53	CSE	R <sub>3</sub> – R <sub>5</sub> Hand Books
54	English	R <sub>6</sub> – R <sub>7</sub> Civil & Mechanical
55	Economics, Sociology	R <sub>7</sub> – R <sub>9</sub> Mechanical
56	Polymer	R <sub>10</sub> EEE
57 – 61	Physics	R <sub>11</sub> – R <sub>12</sub> ECE & CSE
62 – 74	Mathematics	R <sub>12</sub> – R <sub>14</sub> CSE
75 – 92	MBA	R <sub>15</sub> E & I, Economics, Sociology, Pharmacy & English
93 – 100	E & I	R <sub>16</sub> – R <sub>17</sub> Management, Polymer & Physics
101 – 112	EEE	R <sub>18</sub> Chemistry & Mathematics
113 – 131	Mechanical	
132 – 133	Automobile	<b>CLOSED CUPBOARD RACK</b>
133 – 134	Aeronautical	CB <sub>1</sub> PhD Thesis
135 – 141	Civil	CB <sub>2</sub> – CB <sub>3</sub> EEE
142 – 147	General	CB <sub>4</sub> – CB <sub>5</sub> MBA
148	Architecture	CB <sub>6</sub> Chemistry
149 – 153	Pharmacy & Life science	CB <sub>7</sub> Mathematics
154 – 159	Chemistry	CB <sub>8</sub> – CB <sub>9</sub> E & I
160 – 161	Book Bank	CB <sub>10</sub> – CB <sub>12</sub> Polymer
162 – 163	Rare Books	CB <sub>13</sub> – CB <sub>15</sub> CSE
164 – 165	Old Question Paper & Obsolete Books	CB <sub>16</sub> – CB <sub>20</sub> ECE
		CB <sub>21</sub> – CB <sub>23</sub> Automobile
		CB <sub>24</sub> Aeronautical
		CB <sub>25</sub> – CB <sub>28</sub> Mechanical
		CB <sub>29</sub> – CB <sub>30</sub> Civil
		CB <sub>31</sub> Physics
		CB <sub>32</sub> – CB <sub>33</sub> Nano
		CB <sub>34</sub> Obsolete Books
		CB <sub>35</sub> Islamic Books



## CENTRE FOR INTERNATIONAL RELATIONS

### 1. International Conference on “Recent Advances in Sustainable Construction Technologies and Environment” (ICRASCE-2022)



Department of Civil Engineering, School of Infrastructure organized two day “International Conference on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)” during 15.06.2022 & 16.06.2022 at B.S. Abdur Rahman Crescent Institute of Science and Technology in virtual mode. More than 100 papers in 6 major streams such as Construction Technology and Building Materials, Transportation Engineering, Structural Engineering, Environmental Engineering and Water Resource Management, Geotechnical Engineering, Advanced Surveying and Remote sensing & GIS were presented during the conference.

## 2. MoU with Cambridge Assessment English



(L to R) Dr.H.Sofia, Professor & Head, Dr.Ayub Khan Dawood, Dean School of Social Sciences and Humanities, Mr.T.K.Arunachalam, Regional Director, Cambridge Assessment English, Vice Chancellor Dr A.Peer Mohamed, Registrar Dr A.Azad, Mr.Kevin Harold Jude Coyne, Key Account Manager – South Asia with Cambridge Assessment English and Dr.P.Rathna Professor of English.

The Department of English renewed the Memorandum of Understanding with Cambridge Assessment English on 05.01.2022 to conduct Business English Certificate, Preliminary for the students of Second year B.Tech and B.A English (Hons.).

## CRESCENT INNOVATION & INCUBATION COUNCIL

### ❖ MoUs Signed

S.NO	Name of the Collaborator/Partnerships	Collaboration Date	Outcome / Deliverables of the MoU
<b>INTERNATIONAL</b>			
1	Startupscale360 FZCO,	23.10.2021	To provide a framework for co-operation between the authorities To promote innovation in their respective markets
2	Zstartup	23.10.2021	To provide a framework for cooperation between the authorities To promote innovation in their respective markets
3	SME Grow Africa (SMEGHA)	06.01.2022	Business 2 Business (B2B) Networking / Investment Platform Joint Programmes & Activities
<b>NATIONAL</b>			
1	Holy Cross College (HCC), Trichy	04.03.2022	Promote & interact with, and source technology/expertise Offering professional services, on annual charges basis
2	Acadicell Innovations	23.08.2021	To provide advanced training and research platforms.
3	Intel	21.12.2021	Relationship of Intel with the Program and how the Program is managed by the vendor
4	Sri Kauvery Medical Care India Limited,	01.10.2021	Engagement can be in one or more of the following areas a. product Evaluation b. Product Feedback c. Pilot project evaluation

5	a-IDEA NAARM , Hyderabad	18.02.2022	Recognize the respective strengths of the two organizations and mutually agree to cooperate for accessing the laboratory and infrastructure facilities and mentoring under the Incubation program of a-IDEA, NAARM. It aims to promote entrepreneurship in Agri startups.
6	Smart Scale Ventures	15.02.2022	To promote collaboration, engagement, and interaction
7	Magudam Capital	22.02.2022	To promote collaboration, engagement and interaction
8	Mathworks	11.05.2022	To enable Startups with Industry standard tools for free Develop products and reach early-stage milestones fast with MATLAB and Simulink.
9	Presidency University	07.04.2022	Promote & interact with, and source technology/expertise
10	Microsoft for Startups	24.06.2022	
11	Yesbank	11.06.2021	Offering various financial assistance, bank products, digital banking solutions, Escrow accounts, and many other facilities for the benefit of the Startups Providing a platform for the Bank to participate in various seminars, training programs, newsletters, and workshops

❖ **Events organized**

Events	No of Program
Celebration	2
Evaluation	1

Event	15
Hackathon	1
Industrial Visit	4
Media Showcase	1
Mentoring	3
Pitching	2
Press Meet	1
Seminar	12
Visit	1
Webinar	8
Workshop	10

❖ **STTP: CCIO/ISO/**

Date	Title	Organizer	Participants
20.02.2021- 21.02.2021	Certified Chief Innovation Officer- CCIO	Rocheston	11
09.02.2022	ISO Awareness	CIIC	15

❖ **Other Events (publication of magazine / competitions / visits of statutory bodies, etc.):**

Date	Program	Topic	Organization	No of Registrations
08-10-2021	Event	CIIC organized grand startup roadshow "Thedal" an initiative by Native Leads guest speaker Mr. Karupppiah Lakshmanan, MD, Edubotics on 8 <sup>th</sup> October 2021.	CIIC	45
10-08-2021		CIIC disbursed a total of Rs. 2 lakhs to 24 student startups in the form of pre-seed fund on 10-08-	CIIC	105

		2021 in the presence of the chancellor of BSACIST Mr. Arif Buhary Rahman		
19.11.2021	Event	CONNECTathon 2021	CII	350
12.08.2021	Event	CIIC - EDII TN Awareness on Innovation Voucher Program	EDII - TN	76
17.12.2021	Event	CIIC - Brigade Accelerator Programme	CIIC	11
17.02.2022	Webinar	Role of Intellectual Property Rights in Protecting Inventions & Innovations by Dr. Piyush Kumar Parikh	CIIC	72
26.04.2022	Celebration	World IPR day	CIIC	56

❖ **Awards and Achievements of Faculty and Students (including patents)**

- Selected by Startup India, DPIIT, Ministry of Commerce & Industry, GoI for STARTUP INDIA SEED FUND SCHEME (SISFS) for an amount of Rs. 5 Crore.
- One of the top 12 incubators in Chennai by StartupTN's (TANSIM) "Scaleup:incubators" programme and is recognized as a "State supported Incubator" with an award of Rs. 3.5 lakhs
- The Greater Chennai Police- Central Crime Branch - Cyber Crime Cell - greatly appreciated the efforts. The honor was presented by Tmt. P. C Thenmozhi IPS, Additional Commissioner of Police -CCB, Greater Chennai Police to Crescent Team.
- CIIC sells its first in-house tissue-cultured plants from the Centre for Life Sciences (CLS) to The Boho Farm located at Lathur Village in Cheyyur, an organic farm aiming to sell indigenous seeds and native produce by connecting local farmers, they will also serve as an extended R&D facility for CIIC. CIIC has sold two varieties of tissue-cultured banana plants: the Red banana-primary hardened and G9-primary hardened plants.
- Mr. Adithya - Founder of Tradent (A student startup incubated in CIIC) was interviewed by "The New Indian Express" and published on 12/04/21. He discussed his product "An automated Electric Tractor" which can farm with an app
- Udaya Agro Farms is the 1st runner-up in the MANAGE Samunnati Startup Awards 2021

- Smt. Nirmala Sitharaman appreciated the product "Village Rice" of Greenflora Biosciences
- Sruthi Babu, Founder of Dhanvanthri Biomedical awarded the "Homepreneur Award 2021" and featured on TV by Avatar Live
- Propeller Technologies received the High Honour's STEM certification from stem.org
- Ms. Maheswari CEO of Core Idea Innovations received 2 lakhs under Innovation
- Kardle Industries Pvt Ltd. won the "Top Innovator Award" at the Innovation Arena in the PHIC(Public Health Innovations Conclave) 2021 at the HITEX Exhibition Centre from 12th November -14th November 2021
- WEGoT Utility Solutions Pvt Ltd won the "Top Innovator Category" in Sangamam Awards by Project Management Institute, Chennai on 21.11.2021
- Arma Citizens Wellness Private Limited (60plus India) was awarded the first runner-up in the "Top Innovator Category" in Sangamam Awards by Project Management Institute, Chennai on 21.11.2021
- Kankyo Enertek Green Fuels Pvt Ltd. was awarded the second runner-up in the "Top Innovator Category" in Sangamam Awards by Project Management Institute, Chennai on 21.11.2021
- LiUP - a student startup from CIIC won second place in CONNECTathon, winning prize money of Rs. 50,000 from the Honourable Chief Minister. Thiru. M.K. Stalin, CII (Confederation of Indian Industries) conducted CONNECTathon - A 72 hours online hackathon with Crescent Innovation and Incubation Council (CIIC) on 26.11.2021
- Keplar Techno Pvt Ltd launched their product "Optimists" by Dr. J. Radhakrishnan IAS, Principal Secretary, Healthcare and Family Welfare Dept, Govt of Tamilnadu, Mrs. Kiruthiga Udhayanidhi, Mr. Suresh Sambandam and other dignitaries on 8.12.2021.
- WEGoT Utility Solutions Pvt Ltd raised \$1.5 million on 9th December 2021 led by GRUHAS proptech , Rahul Talwar -DLF Family Office, Harshad Reddy- Apollo Hospitals Family.
- Mr. Dev Anand from Kankyo Group of Companies, won the award under the Entrepreneur Sector organised by BSA Alumni Association on 18.12.2021
- Medcuore medical Solutions Pvt ltd. exhibited their stall at the MedExpo 2021 by Medically Chennai Trade Centre on 18.12.2021
- Rekindle Automations Pvt Ltd won a motivational award under the category Medical Equipment, Point of Care & Wearable Medical Devices, Home healthcare Devices in the "Medically, Made in India, Innovation Awards 2021" on 20.12.2021



- Arasi Arul -founder of 60plus India ( Arma Citizens wellness Pvt Ltd) won the " BEST STARTUP of the Year 2021" by FICCI and Indian Express on 29.12.2021
- The CEO & Director of CIIC was a member of the International Panel for the Inn culture Competition held on 29.12.2021
- Kardle Industries Pvt Ltd has been selected to be a part of AIM iLEAP cohort 4, combating air pollution through innovation on 13.01.2022.
- WEGoT Utility Solutions Pvt Ltd won the National Startup Awards 2021 under the category"Drinking Water Sector" , the water and water networks category organized by Startup India, Government of India. on 15.01.2022
- Naked Nature Biotics Pvt Ltd. Was selected as one of the finalists for Global Student Entrepreneur Awards 2021-2022 organized by EO Coimbatore to be held on 29.01.2021
- Ms. Arasi Arul -founder of 60plus India ( Arma Citizens wellness Pvt Ltd) Featured in Tamilpreneur Inc. under the "List of 10 startups to watch out for in 2022 from TN Women" on 26.01.2022
- Kepler Technologies Pvt Ltd. co-founder, Mr. Nader Alnajjar demonstrating his product in the HTIC conclave in association with TamilNadu Chapter of Telemedicine Society in India on 27.01.2022
- Winner of global student entrepreneur award 2021-2022 Coimbatore chapter . Representing Naked Nature on 30.01.2022
- Medcuore Solutions Private Limited- an alumni startup of CIIC inaugurates and sells his product to Dr. Sridhar Vembu when he visited CIIC on 5.02.2022
- Simha Biotech Pvt Ltd received license from the Director SLA for Manufacturing Ayurveda , Siddha products from the State Licensing Authority
- Inses Pvt Ltd was awarded second prize in the Business Pitch session held by SRM Institute of Science and Technology
- International Women's Day award presented to Dr. Aaliya Firdose - Founder of Easilyfe. The award was presented by The Guidance Council
- Mr. Saravanamuthu- Founder Medcot receives an award from the Hon'ble President of India- Shri Ram Nath Kovind
- Ms. Nimisha Varma- Founder of Aloe E cell was awarded with "Women Transforming India 2021" by NITI Ayog
- Ms. Nimisha Varma -Founder -Aloe E Cell was part of the rountable conference with Mrs. Victoria Nuland, Charge d'affaires, Patricia A.Lacina and Assistant Secretary Donal Lu. They had a discussion on possible collaborations and problems faced by Indian startups.

- Medcuore Medical Solutions received the first prize under the "KRIA' tive Technology Innovation Awards 2022" organised by IITM Research Park
- Mr. Rajkumar Alagarsamy - Founder of Raj Enterprises featured in the Tamil America TV Channel
- Ms. Arasi Arul- founder of 60plus India pitched to Accelerating Asia in Singapore as part of the Accelerator cohort

❖ **PATENT LIST**

Title of work	Inventors	Application number	Filing date	Published date
<b>Patents Filed: University</b>				
A Soil Excavation Device	Dr. P.N. Kadiresh Mr. P. Kaleeswaran	202141041530	15.09.2021	28.01.2022
Synergistic Gas Nanoemulsion Compositions and Methods of Synthesis Thereof	Dr. Karthikeyan Ramalingam	202141041531	15.09.2021	28.01.2022
An Apparatus and a Method Ffr Synthesizing Polymer-Based Composites	Dr. S. Shamshath Begum	202141056758	07.12.2021	28.01.2022
A Synergistic Composition for Inhibiting Corrosion in Reinforced Concrete Structures	Dr. M S Haji Sheik Mohammed	202241011085	01.03.2022	11.03.2022
An Apparatus for Generating Electric Energy	Mr.R. Ganapathi Prof. T Harinarayana	202241014816	17.03.2022	25.03.2022
Improved Synergistic Gas Nanoemulsion Compositions and Methods of Synthesis Thereof	Dr. Karthikeyan Ramalingam	202243031470	01.06.2022	10.06.2022
Analytical Method and System for the Simultaneous Estimation of Esketamine	Dr. Y. Ismail, Dr. Haja Nazeer Ahamed, Dr. M.	202241034537	16.06.2022	24.06.2022

and Brexanolone	Vijaya Vara Prasad			
A Process for Green Synthesis and Pharmacological Evaluation of Nanoparticles Impregnated with Manilkara Zapota	Dr. S M Shaheeda	202141048398	23.10.2021	31.10.2021
<b>Patents Filed: Startup</b>				
Method for Production of Bio-Moulded Mushroom Composite Structure	.Mr.Adityasrinivas Kandaala, Mr.Vivek Rachuri Ms.Mayuri Chopra	202141023013	24.05.2021	25.11.2022

## STUDENT AFFAIRS

### I ISTD- C

#### List of Inter College Events Participated 2021-2022

We the team of ISTD- C participated in various cultural activities, which was hosted by other colleges from March 2022 until now. It gave us immense amount of confidence; experience as well as we learnt how competitive other colleges are.

Our heartfelt thanks to the Management, our Dean (Student Affairs) Dr.Karthikeyan Sir for his constant. ISTD-C staff coordinator Ms. ManickaPriya mam for her encouragement and to our club staff coordinators for the support

We also extend our heartfelt thanks to the staffs who accompanied us throughout the events with full positive vibe and constant encouragement without which we would not be able to achieve and experience what we have achieved so far. We have attached our travel throughout the event and our achievements for your reference.

#### 1. Crescent Music Team

Crescent Music Team has always been entertaining people inside the university and has exhibited various musical talents of our students. We did not just stop there. We went out to various intercollegiate cultural events in Chennai. We participated in the events Battle of Bands, Solo-Singing, Acapella and Rap Battles. The multiple wins in the solo singing category bears witness to our professionalism. We excelled well in all the band events around 7 colleges to an extent where we did receive special mentions for our outstanding performances. This was not just a showcasing platform for us, rather it was a learning experience that allowed us to learn a lot from the other bands that performed with us and had improvised each performance.

College Name	Event Name	Participant	Competition	Prize
IIT Madras	Cultural	Shalini	Solo Singing	3rd
Ethiraj College	Matram '22	Music Team	Acapella	2nd

Jain Women's College	Sargam 2022	Shalini	Solo Singing	1st
Gurunankh College	G-Iris 2k22	Aravind	Rap Battle	1st
SdnbVaishanav College	Smrti'22	Supraja	Carnatic Solo Singing	1st
Sri Venkateswara College	Highways	Yogesh	Solo Singing	3rd

**2. Crescent Team Dramatix**

Passionate and innovative students, who join hands together, build up concepts regarding current affairs, social and moral issues. We will always entertain people in many aspects as we support true talents in our club. We won many inter college events like MIT, CEG and won the title in BLACKSHEEP as variety Don. We continued our winning streak for the fourth time in Pondicherry technological university.



COLLEGE NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
Pondicherry Engineering College	Peco Fest	Dramatix team	Variety	1 <sup>st</sup>
Ethiraj College	MATRAM '22	Dramatix team	Channel Surfing	3 <sup>rd</sup>
MIT College	MITAFEST	Dramatix team	variety	2 <sup>nd</sup>
Blacksheep's College Don	Blacksheep's College Don	Dramatix team	variety	1 <sup>st</sup>
SDNB Vaishnav College	Cultural	Dramatix team	Street theatre	2 <sup>nd</sup>

➤ **Theatrefest'22 (South India's Dramatix Fest)**

Theatrefest'22 is an Inter-collegiate dramatix event, which was held on 28th and 29th of may 2022. Honorable collector Mrs. R. V. Shajeevana, I.A.S, Deputy Registrar Dr. N. Raja Hussain and Dean of student affairs Dr.KarthikeyanRamalingam, inaugurated it. The auditorium was open to Crescent college students and Participants. Famous personalities such as Actor Adithya Baskar, Rio Raj, Santhosh Prathap, Director Parthiban, RJ Ashwini Govindharaju, RJ Preethy and many more have endorsed and made their presence felt at Theatrefest'22.





### 3. Crescentian Voice Club

EVENT NAME	PARTICIPANT	PRIZE	COLLEGE NAME
HINDUSTAV '22	ANNA CATHERINE	2nd	HINDUSTAN
IMPULSE'22	EVANGELINE	3rd	MAR GREGORIOUS

The club members of Crescentian Voice Channel have been actively participating by sending 15 seconds and 1 min audios for the Instagram page. We are proud to say that this year, 2022 was the first time we participated in an inter college event and our club members Anna Catherine and Evangeline have won in two different colleges. We have other interesting activities like those that Live shows so that our VJ's and RJ's can connect directly with our audience and Celebrity interviews as well. The club also hosts every programme that happens in our college and is privileged to do so.



#### 4. Crescent Art Club

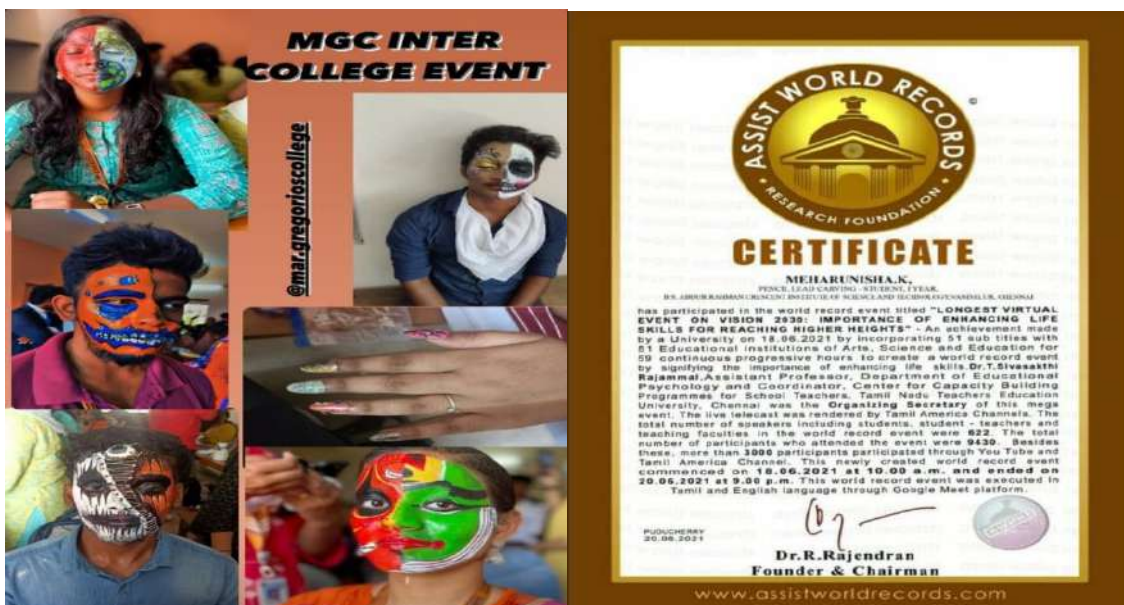
Crescent art club has always played an active creative role in the college in various cultural activities. We have contributed backgrounds and décor for multiple events. We have conducted workshops on chalk piece carving, oil painting, water color, sketching. We conduct monthly tasks to keep our members engaged. This has encouraged our members to actively participate in creative events. Our members have participated in multiple inter college cultural events representing our university. **Our member Meharunisha holds the world record for longest virtual on vision-2030 in 'assist world records**



COLLEGE NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
Mar Gregorious College	IMPULSE 22	1. Varsha Albert 2. Mohamed Aslam.A 3. Harini.B 4. Chandra Hussain 5. Maryam mahboobha 6. MohamadIlliyas.I 7. Arshad 8. Danusha .P 9. Dhanwanth S	Face painting  Nail art  Wall painting  Solo drawing	-



Madras Christian college	AATHMAN	<ol style="list-style-type: none"> <li>1. Afisa begum</li> <li>2. Charumathi</li> <li>3. Harinisri</li> <li>4. Mujaina</li> <li>5. Raguram</li> <li>6. Sylvia susan</li> <li>7. Varsha Albert</li> <li>8. Muthuindhira</li> </ol>	Face painting  Sketching  Doodling	-
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### 5. Crescent Club of Photographers

Crescent Club of Photographers has been nurturing young amateur photographers to learn new dynamics of photography and develop their talents. Photography club has also been playing an important role in capturing the events and memories in our institution as it happens. Our photographers have been working in the background and contributing to the success of every college event. In recent times, they have also been learning to compete at various inter-college competitions and making our presence known in other colleges.

COLLEGE NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
MAR Gregorious	IMPULSE 22	1. Ahmed Shebib 2. ShaikSarjoon 3. Sanobar B	Photo Contest	N/A
Ethiraj college for women	MATRAM 22	1. NitinAdvaith 2. Mohammad Aadil 3. Intasar	Photo Contest	N/A



## 6. Crescent Dance Club

As we are a dance club after 3 to 4 years, we have participated in outside events like Hindustan college (HINDOTSAV22), Saveetha college (PRIDE22), SDNB Vaishnava College (PSYFIESTA22). In Hindustan college we participated in Adaptune (2 boys), Dual dance (2 boys) and Group dance (18 girls). In Saveetha College, we participated only in Group dance (10 boys). In SDNB Vaishnava College we participated in group dance (8 girls) and we got 3rd prize.



## 7. Crescent Fashion Team

Crescent Fashion Team has been proving their talents and dedication through their winnings in several inter college competitions. We have a great team, who are dedicated and with amazing coordination. The club members are active and the performances are

choreographed well. We have recently won the title in SDNBV College and SDNB SMRITI we came as runners up.

COLLEGE NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
SDNB	Smrti	Fashion Team	Ramp walk	1
SDNB	Fashionista	Fashion Team	Ramp walk	2
Gurunanak	Pride	Mohammed Taneem Papa	Ramp walk	1



### 8. Crescent Literary Society

Crescent Literary Society has always been proving its presence through its meticulous planning for the Institute's Bi-annual magazine, its online content and by winning laurels to our institute. In this past year, our club has participated in more than 20 intercollegiate events and have bagged several awards and special mentions for their extraordinary talent. We are indeed proud to highlight that we have kept the tradition alive of continuously winning in the MIT Debate conducted by Air India for the past 5 years. Another specialty about our winners is that they have won awards in both non-technical and technical literary events. For example, the winning of technical debate conducted by SRM Institute. Despite the lack of opportunities due to Covid and other restrictions, our club has proved its mettle once again, this year and we hope to continue to excel in the same way.

COLLEGE/ HOST NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
REC	Lockdown fete	MdAman	Extempore	2nd
Air India	MIT Debate	Fadhur Rahman	Debate	1st
		PavanSai		
		MdAman		
SRM	Kratortq	Abishek Shankar	Technical Debate	1st
		MusabHumzah Syed		
		VikramVenkat		
Patrician College of Arts and Science	-	Muhammad Umar	Debate	2nd
		MdAman		
SSN	SSN Instincts	MusabHumzah Syed	Debate	3rd
		Aashik		
SSN	SSN Instincts	Anna Catharine	Improv Theatre	3rd

### 9. Crescent Media Club



As a Club, Crescent Media Club Films Short films, microfilms and also scripts and lyrics about various concepts. We are almost 80+ members in our club, of which each of them are skilled in different technical aspects involved in film making. To extend and widen our knowledge and expertise in this field, we conducted an online webinar with Cine Directors which was so useful to our students, and we took a specific day to learn with our club past seniors and learned practically.

### 10. Crescent Philately Club

Crescent Philately Club has always played an active role in the college in various cultural events. We have conducted workshops on coins, currencies and stamps. Our Club members have participated in multiple inter college cultural events such as Bridal makeover, Mehndi, Crafts representing our university. We won many inter college events like MIT, CEG and won the title in BLACKSHEEP as variety Don.

COLLEGE/ HOST NAME	EVENT NAME	PARTICIPANT	COMPETITION	PRIZE
Guru Shree Shantivijai Jain College for Women	Sargam 2022	Madhumitha B Annie Sri Sherin A Rajalakshmi	Mehndi	NA
Madras Cristian College	Aathmann 2022	Ramya Sri V	Face Painting	NA
		Liza C J		
		ZeenaQaaida	Poster Designing	
Mar College of Arts and Science	Impulse 2022	YasirahSabreen Sumitha	Bridal Makeup	NA
		ShabanaBanu Yuvashree		
		Yasmin, Swathika	Nail Art	NA



## 11. Crescent Technocrats Club

Crescent Technocrats Club of B S Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai conducted Book Launch of “Tech in Med – A Dive into Technology in Medical Sciences”. Team of students and faculty members along with Medical Professionals from various disciplines authored the book. This book was authored with an aim of improving standards of technology in Medical Sciences. Mr. Vijay Vasanth M.P, CEO Vasanth and Co., Member of Parliament- Kanyakumari constituency, launched book. First copy of the book was received by Dr.KumudhaLingaraj, Dean- Tagore Medical College and Hospital. Registrar of the institute Dr. Azad along with deans and directors of the institute were present in the event.



## II CRESCENT STUDENT COUNCIL

### ➤ CRES CONCLAVE



Crescent Student's Council organized a 2-day Conclave at our university campus premises which took place on 13<sup>th</sup> and 14<sup>th</sup> of May 2022. We presented this event with a aim to showcase a platform of esteemed and experience speakers to our student community to enlighten the current youth about their need in the development in society.



Dr. A. Amalraj, DGP – Director of TN Police Training Academy



Mr. Senthilvel, Journalist Thiru Veera Raghava Rao,  
 IAS – Director of Employment and Training Guindy





Mrs. Lakshmi Ramakrishnan, Actor, Film Maker Mr.Nandhakumar,IRS and Reality Talk Show Host  
 Dr.Sultan Ahmed Ismail, Indian SoilBiologist andEcologist

➤ **Educational Trip to BAPASI 45<sup>th</sup>Chennai Bookfair**

Led by the Crescent Student Council, Office of Student Affairs, Students of our institute visited the 45th Chennai Book Fair and actively participated in various events, relished the love of reading and buying books. Interacted with various leaders of political parties, authors and actors. Also had the pleasure of releasing book entitled "Vithivilaku" by Dr. M Murali of our Tamil Department.



➤ **Drug Abuse Resistance Education**

Crescent Student Council of B S Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai conducted D.A.R.E.`22 (Drug Abuse Resistance Education). A team of students and faculty members organized the event. The event was conducted in order to spread more awareness about the usage of Drugs and its

effect in the brain and body. Dr. MD. ObiedullahBaig, International Speaker and Physician, International president of AIUTC Coordination committee lead the awareness program and presented a PowerPoint Presentation for the easy understanding of our students. Mr.Arivalagan, Assistant Commissioner of Police was the Guest of Honor. Registrar of the institute Dr. N. Raja Hussain along with deans and directors of the institute were present in the event.



### III ROTARACT CLUB OF CRESCENT



#### ➤ AZHAL

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (RID 3232) has successfully done our 11<sup>th</sup> Installation Ceremony அழல்.

அழல் was conducted on 01<sup>st</sup> August 2021, between 10 AM to 12 PM. We had nearly 100 participants including the Rotarians of Rotary Club of Madras Mount, District Officials, Change Presidents, Change Secretaries, our club members, fellow rotaractors, friends and families.

We had our Chief Guest Rtn. Balu, President 2021-22 from Rotary Club of Madras Mount and we had two Guests of Honor, Dr. Raja Hussain, Additional Registrar of Crescent Institute of Science and Technology and Rtr. PP. Kamuvel, DRR 2021-22. On adding to it we had Dr.KarthikeyanRamalingam, Dean of Student Affairs of Crescent Institute of Science and Technology and Rtn. Deepa Shree, Secretary 2021-22 from Rotary Club of Madras Mount as the special invitees.

➤ **CHARITY OF GOODNESS 3.0**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount, (Rotary International District 3232) joined hands with Rotaract Club of Ambarnath, RID 3142 (host club), for a project titled “CHARITY OF GOODNESS 3.0”, in which 104 other clubs was included. The main motive of this project was to donate sanitary napkins to under privileged children and women. This project was done by us on 12<sup>th</sup> September 2021 in a slum area near Udhayam Theatre.

➤ **CHENNAI FLOODS**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “ChennaiFloods”, where we distributed foods to over 400 people residing near Pulianthope, who were extremely affected by the Chennai flood.

We collected the amount from our college students, staffs, friends and relatives for distributing food packets. On 14<sup>th</sup> November 2021, celebrating the eve of Children’s Day, we provided food and sanitation to the people near Pulianthope and Mannady.

➤ **CUSTOLYTICAL**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event “Custolytical” an International Service project. This project was held on 27<sup>th</sup> January 2022. This was organized on the eve of Republic Day.

In this project, we combined with 6 other clubs “Rotaract Club of Sri Aurobindo” from (Rotary International District 3011), “Rotaract Club of Faridabad Aravalli” from (Rotary International District 3011), “Rotaract Club of Adaiyalam” from (Rotary International District 3203), “Rotaract Club of Malang Kuttaraja” from (Rotary International District 3420), “Rotaract Club of Silvercity Midtown” from (Rotary International District 3080) and “Rotaract Club of

Coimbatore Institute of Technology” from (Rotary International District 3201). The main motive of this project is to make students aware about the customs department, job opportunities in customs, role of a custom service officer.

We invited two efficient speakers, Mr. Kamlesh and Mr. Jitendra Kumar, who are customs officer in Airforce and Navy. They made a clear view about the roles of customs officer, what do they do, rules and regulations of customs both in air and in water, how important it is to have customs department and more. At last, we had a Q&A session and the evening ended up with loads of information.

#### ➤ **DIGITAL CLUBHOUSE PATTIMANDRAM**

We meet many people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**DIGITAL CLUBHOUSE PATTIMANDRAM**” a club service project. Rotaract Club of East Coast Chennai hosted this project.

This project was done on 16<sup>th</sup> June 2021 to 18<sup>th</sup> June 2021, to express one’s public speaking skills. This project was held for 3 days, first day being the prelims speakers were shortlisted, second day semi-finals was conducted for the shortlisted speakers, out of which 6 finalists were selected for the finale.

#### ➤ **ED-WISE**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event “ED-WISE” a Community Service project. This project was done on the eve of Teacher’s Day 05<sup>th</sup> September 2021.

#### ➤ **HAIR DONATION DRIVE**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**), hosted a district project titled “**CAN SHARE**”, a hair donation drive for the cancer patients. This project was done on 30<sup>th</sup> September 2021 in our college campus. This project is an initiative by District Rotaract Council in collaboration with **THE**

**CHERIAN FOUNDATION, where stylists form Naturals came to our college campus for cutting the hair of the donors of the required length.**

➤ **HANDOUT SPARKLERS**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) have organized an event “**HANDOUT SPARKLERS**” a Community Service project. This project was done on the eve of Diwali, on 3<sup>rd</sup> November 2021.

➤ **IC ELEVATING ROTARACT**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) along with Rotaract Club of Madras Chenna Patna has organized an event “IC ELEVATING ROTARACT” an International Service project. It’s a joint project which was hosted by Rotaract Club of Madras Chenna Patna and Rotaract Club of Pune Camp Pioneers along with Rotaract Club of New College and Rotaract Club of Agni Institute of Technology.

This project was done on 10<sup>th</sup> October 2021, to have a clear view about the Elevate Rotaract for future leaders. Trained professionals, effective rotaractors and rotarians briefed about the Elevate Rotaract. The session was much informative and we had Q&A session in the end.

➤ **IDHU THERIYUMA**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) have organized an event “**IDHU THERIYUMA**” a Professional Service project. **We post the unknown facts in our social media handles in a yearlong project.** This project was first commenced on July 22<sup>nd</sup> 2021 and is still running.

➤ **IKIGAI**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**), had collaborated with **Rotaract Club of Madras** as Host Club

along with 3 other clubs for an online Professional Service Project called **“IKIGAI”**. This event was held on **25<sup>th</sup> November 2021** through **Zoom** meeting.



The event started at 7 PM and around 80 participants were present for the session. District Officials, Presidents and Secretaries and fellow rotaractors attended the session. Rtr. Shrimathi was the Co-Chairperson for this Project.

➤ **Inception**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event 'INCEPTION' a professional service initiative. This project was done on 27<sup>th</sup> December 2021 in BSACIST.



It is an orientation program, which has been conducted to non-rotaractors to spread the awareness about rotaract.

We had 2 eminent speakers present to interact and conduct informative sessions. Rtr. PP. EssakiSekar and Rtr. Pascal Xavier were the 2 speakers for our INCEPTION.



Rtn/Rtr. Sesha M Sai sir was the chief guest of the day and Dr.KarthikeyanRamalingam being the guest of honour.

➤ **IrudhiSuttru**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) has organized an event “**IRUDHI SUTTRU**” a Professional Service project. This project was done on 12<sup>th</sup> February 2022 through ZOOM. **The main motive of this project was to build up a fresher confidently to face the interview.** Rotaract Club of SRM IST CSH Vadapalani hosted this project.

➤ **KAAGIDHAM 3.0**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “KAAGIDHAM 3.0”, where we collected the old used and used papers, notebooks, textbooks, guides, newspapers with which we planned to help disabled children.

We collected the paper from our college premises through class campaigning, further we did campaigning in our respective streets collected papers, dumped it in scrapshop and turned it into money to help the disabled children.

➤ **KAARIGAI**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**), organized an event “**KAARIGAI**”, in which **we planned to fulfill the bucket list of our college girls.**

Accordingly, we shared a google form to collect the bucket list wishes from girls to know their wishes. Adding to it **we taught them self-defense SILAMBAM to protect themselves from uncertain situations.**

”

➤ **KAIZEN**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) has organized an event “**KAIZEN**” a Professional Service project. This project was done on 30<sup>th</sup> October 2021 through ZOOM. **The main motive of this project was to enrich students on how to crack interviews easily.**

The speaker of the day was Mr. Mohammed Haris, who briefed about the tips to crack an interview easily, with some real time examples, samples, and mock interviews, expectation of a recruiter and mainly how efficient a resume should be. At the end of the session, we all learnt how to build up a perfect resume which attracts the eyes of the recruiters.

➤ **KALAINAYAM**

**AN INTERNATIONAL SERVICE INITIATIVE**

We the Rotaract Club of GCT Coimbatore (RID 3201) initiated an international service project with Rotaract Club of Crescent (RID 3232), where we reminiscence the culture of Tamil Nadu by exchanging the talents of both the clubs.

This project was held on the eve of Pongal (16<sup>th</sup> January 2022) from 2 PM to 5:30 PM to recollect the celebration of Pongal even in this pandemic. So, we planned a ZOOM meeting



where rotaractors of both the clubs were present. Having Tamil KaadhalanVigneshanna as the judge of Pattimandram, we had 4 eminent speakers each from both the clubs who spoke about the topic “ Thamizhar than panbattaikaathunirkindrana? Izhanthunirkindrana?”. From the 8 speakers 2 efficient speakers were selected as the best speakers. We exchanged our rotaractors talent by presenting a video already recorded by them. We rememorated our beautiful hand free drawing “KOLAM/RANGOLI”, classical dance, monoact, the most prestigious yet prideful traditional sport “SILAMBAM”, singing, musical instruments played by our rotaractors. We had the winner’s announcements of the events “EZHIL” and “OPPANAI” announced by Rtr. President. Jaishree and Rtr. President. AlthameezHasan. With the announcement of best speakers by Jury of the day Rtr. Tamil KaadhalanVigneshanna and with loads of memories we had our Kalainayam ended.  
 Date – 16/01/2022Beneficiaries – 170+ Times – 2 PM to 05:30 PM

➤ **KAATRUKKENA VELI**

We the Rotaract Club of Crescent along with Rotatract club of Madras Mount (Rotary International District 3232) have organized an event “KAATRUKKENA VELI” a Club service project. This project was initiated on 15<sup>th</sup> August (Sunday) in Broken Bridge in order to interact and create Friendship with members of both the club.



In this pandemic situation, all being in online, we wished to create happiness and share memories, which would make our mind to find peace. Therefore, we organized this event “KAATRUKKENA VELI” and Rtr. Abinaya took in charge along with club service. This session was fun-filled with immeasurable memories. We had few games with lot of fun.

➤ **KITCHENIL ORU NAAL**



We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event “KITCHENIL ORU NAAL” a Club service project. This project was initiated on 25<sup>th</sup> of

September (Saturday) in Kandigai.

This project was an initiative to bring out the cooking skills of our club members and to reminiscence our childhood play “KOOTANJORU”. Each of our club member bought ingredients to cook the dish

The place where we cooked food was too naturist that we had a pond and mountains surrounded. We were lost into nature by gossiping, playing in the water, climbing the tree and making reels, which made our friendship bond, got stronger. We spent some time together by playing games and helped each other in making the recipe. Finally, we had our lunch together.

#### ➤ LINK D

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) had initiated a project called “LINK D” for students and job aspirants. This webinar was held on 25<sup>th</sup> August 2021 by 4:30PM through ZOOM platform.

On 22<sup>nd</sup> and 23<sup>rd</sup> August, campaigning was done through social media. **The main motive of conducting this webinar was to get an idea on how to grab job opportunities using social media viz Instagram, LinkedIn, Facebook.** The speaker of the day was Rtr. Lenin Mani (B. Com, MSW(HR)) who made us enlightened with all the inputs he had. He made us realize on how productively one should use social media instead wasting whole day and night in it.



To make us more understandable, he shared us his lifetime examples. Adding to it, he shared some more real-life examples, which made us to believe a lot. Finally, participants raised their questions to clear out all their doubts. We had Rtn. Dr.KarthikeyanRamalingam, Dean Students Affairs, who made us realize the real side of using social media. We had a count of 65 participants to whom we provided e-certificate for participating.

#### ➤ LOJ

We meet a lot of people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**LOJ**” a club service project. Rotaract Club of Dexterous hosted this project.

This project was done on 05<sup>th</sup> June 2022, with Rotaract Club of Dexterous. It’s a club service event where **we played cricket and Badminton in MSR Sports Academy, Iyappanthangal. The day was totally fun filled as we got to join with fellow rotaractors for a wonderful weekend match day.**

#### ➤ MAYAKKAM ENNA

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**), organized an event “**MAYAKKAM ENNA**”, a project conducted to celebrate photographers. This project was done on 30<sup>th</sup> August 2021, in Anna Tower Park from morning 8.30 Am onwards.

This is a joint project with Rotaract Club of Vishwahita, Rotaract Club of MIHM, Rotaract Club of Dream Home, Rotaract Club of Loyola, Rotaract **Club of Madras Mount, Rotaract Club of Madras Chenna Patna. The main motive of this project is to celebrate and recognize the photographers. They even had a session to enhance their photography skills from trained photographers.** The day ended with loads of memories and a memento was presented to them.

➤ **MENSTRAID**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**), organized an event “**MENSTRAID**”, where we bought a **Sanitary napkin Dispensary machine along with sanitary napkins, as a District Rotaract Council initiative.**

**We have fixed this machine in a government school nearby our college and keep on checking for it. The sanitary napkin, which has been purchased, is also set in the school.**

➤ **MISSILE MAN**

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) collaborated with **Rotaract Club of Dexterous** as the host club for the project “**MISSILE MAN**” with 13 other clubs as a combination of International and Community service on 15<sup>th</sup> October 2021 **in the remembrance of our former President Dr. APJ Abdul Kalam sir’s birthday.**

This was a world record attempt, where 630 participants coloured an A4 sheet as allocated from where we collected merged all the 630 images together to make a poster/banner of Dr. APJ Abdul Kalam. This world record was recorded in the books of “**VIRTUAL BOOK OF RECORDS**”. On 15<sup>th</sup> October 2021, by morning 10 AM the event started at Nahar Hall with the founder of VIRTUAL VOOK OF RECORDS and other dignitaries. The banner of Dr. APJ Abdul Kalam was launched and the citations, medals and certificates were distributed to the representatives. With a total count of 630 participants, this project was made successful.

➤ **N4 BEACH**

We meet many people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**N4 BEACH**” a club service project.

This project was done on 14<sup>th</sup> November 2021, where 10 members of our club **went to N4 beach spent a quality of time there by cracking jokes, enjoying the nature, breathing fresh air and finally a super good lunch altogether. The evening ended with loads of memories and happiness filled heart.**

➤ **ONNU KOODITANGAYA**

We meet many people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) has organized an event “**ONNU KOODITANGAYA**” a club service project.

This project was initiated on 22<sup>nd</sup> July, Thursday at 10.00 AM in college campus in order to interact with our new board members. In this new beginning, of the Rotary year 21-22, we felt to create and share memories with our board members. Rtr. Imran and Rtr. Parameshwari took in charge along with club service team. This session was fun-filled with immeasurable memories. Our president and secretary along with their board members took part in this event. We had few games with funny questions and they shared their memorable moments with us. We conducted couple of games titled:

➤ **ORU PIDI ARISI**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “**ORU PIDI ARISI**”, where we distributed rice bags to more than 20 families residing near Uthiramerur. With the help of our college management and students of our college, we were able to successfully complete the project.

Initially we collected raw rice from our college students and they turned up to give as cash too. With that we had more than 20 rice bags of 5 kgs and provided it to people in

Uthiramerur. They are the ones who are very needy and even do not own a piece land where they're residing for than 30 years.

➤ **PAATU PAADAVA**

We meet a lot of people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event "**PAATU PAADAVA**" a club service project. Rotaract Club of East Coast Chennai hosted this project.

This project was done on 27<sup>th</sup> February 2022, **which was held to express the joy of singing. A sequence of song was listed out to the audience and those were sung by the band along with audience just grooved into the music, vibing throughout the day.**



**P.I.N.K**  
(Particular Information Need and Knowledge)

We the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) along with **12 other clubs** has organized an event "**PINK – Particular Information Need and Knowledge**", an International service project. This project was held on **10<sup>th</sup> and 11<sup>th</sup> of December 2021**. This project was conducted to spread the awareness about the **Gender Equality, Menstrual Health & Hygiene and Elevate Rotaract**. The sessions were much effective and efficient to the current day of living.



➤ **REMIX 2.0**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event “REMIX 2.0” a Professional Service project. Rotaract Club of AM Jain College Shift-1 and 13 other clubs hosted this project.

There were 5 different professional service sessions conducted on 5 consecutive days. All the 5 days were productive and in between, we had an ice-breaking session in which MC RDK Rupaliakka handled it. With all her efforts, she pulled us in her way and made us to flex with her words. At the end of each day, she selected 3 different person who performed well to motivate them.

➤ **ROTAFIT**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “ROTAFIT”, in which we joined hands with our parent club, Rotary Club of Madras mount and Rotaract Club of Madras Mount. The main motive of this project is to get fit. It was initially started on 15<sup>th</sup> August 2021, on the eve of Independence Day in Besant Nagar Beach with Zumba and fitness activities. On continuing further by sharing their fitness routines on 26<sup>th</sup> January 2022, at Redwood Holistic Healing Center, the second phase was conducted with Zumba, Aqua Zumba, Cycling, Exercises and more.

➤ **SATURDAY NIGHT**

We meet many people in the journey of life but there are only a few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**SATURDAY NIGHT**” a club service project.

This project was done on 12<sup>th</sup> February 2022 just to groove into the music without any stress and fear after completing the routine of tightly pack of semester examinations. The Dj of the night was our very own DJ, DJ Sparrow. With just grooving into the music we shared our stories one to one.



➤ **SEED VINAYAKA**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “SEED VINAYAKA”, where we distributed eco-friendly Vinayaka idols to people in Koyembedu, Anna Nagar, Villivakkam and Velachery.

These eco-friendly Vinayaka idols were sold out at the price of Rs. 100 to Rs.150. We did this project with Rotaract Club of Dexterous as host club and Rotaract Club of Madras. Using the money collected, we bought keratin biscuits for Cancer patients.

➤ **SMASH WITH DEXTEROUS**

We meet many people in the journey of life but there are only a few who leave a mark on us. We, the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) organized an event “SMASH WITH DEXTEROUS” a club service project, along with Rotaract Club of Dexterous and Rotaract Club of Loyola.

This project was done on 20<sup>th</sup> February 2022 in a Badminton academy, Tambaram. We had a friendly badminton match and at last we played badminton.

➤ **SOLID WASTE**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) has organized an event “IMPACT OF SOLID WASTE MANAGEMENT” a Community Service project. This project was done on 18<sup>th</sup> may 2022 through ZOOM. The main motive of this project was to explain about the impacts created by solid waste.

The speaker of the day was Ms. Ann Alexia Anra, who briefed about the solid waste, its hazards and much more. She also explained about Positive effects of source segregation. That was an informative and knowledgeable session, which made us to have a clear thought about the topic.

➤ **STRIVE (Board Officials Training Seminar)**

We the Rotaract club of Crescent, sponsored by Rotary Club of Madras Mount, (Rotary International District 3232) had collabed with “Rotaract Club of Green Galaxy” as Host club along with 15 other clubs for an online board official training seminar called “STRIVE” for future board members to know their roles and responsibilities and how to lead a successful year. This seminar was held on “3<sup>rd</sup>& 4<sup>th</sup> July” through “ZOOM” meeting.

An insightful seminar session by seven eminent speakers, training several enthusiasts on different avenues of Rotaract club services. Throwing light on multiple ideas and opportunities, it was an impactful session, pumping the youngsters up and guiding them to make optimum use of their resource, art and skills.



We the Rotaract Club of New College along with Rotaract Club of Crescent, Rotaract Club of SIVET and Rotaract Club of SCP Jain College hosted a project titled “THAMIZHODU VILAYADU 2.0”. This project was done on 12<sup>th</sup> December 2021, through ZOOM platform where 50 teams participated in it.

➤ **THERAPEUTIC FOODS**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) have organized an event “Therapeutic Foods” an International Service project. This project was held from 22<sup>nd</sup> July 2021 to 31<sup>st</sup> July 2021 in Instagram in order to gain knowledge about medicinal foods in different regions around the World.



In this project, we have combined with 2 other clubs “Rotaract Club of Curitiba UFPR” from (Rotary International District 4730)in Brazil and “Rotaract Club of Faridabad Aravalli” from (Rotary International District 3011)in Delhi. We had interchanged many ideas about therapeutic foods in their region through posters, which contains ingredients, procedure to prepare it and benefits of the food in Instagram.



We provided Appreciation Certificate for the clubs, which took part in the Therapeutic foods project.



➤ **THUNINTHEZHU**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) have organized an event “Thuninthezhu” a Community Service project. This project was initiated on 1<sup>st</sup> of July, 2021 (Thursday) at 4.30 PM in Zoom.



On 29<sup>th</sup> June, 2021 campaigning was done through social media by our fellow rotaractors. In this pandemic situation, we want to create and share awareness about social media security, women's safety, child security, so, we organized this event “Thuninthezhu” through online. In order to that we had an educationalist, motivational speaker Dr. Tamizharasi Sivakumar as the speaker of the day. Rtr. Abinaya took incharge along with community service team.

➤ **TRADITIONAL EXCHANGE**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) have organized an event “TRADITIONAL EXCHANGE”, an International service project. This project was held on 25<sup>th</sup> September 2021. This project was conducted to understand the traditions and culture of people around the world.



➤ **TREKKING**

We meet many people in the journey of life but there are few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**TREKKING**” a club service project.

This project was done on 12<sup>th</sup> February 2022 with our club members. We all went to trekking in a place nearby Padur and Tambaram. After trekking, everyone went out for a good yummy lunch to fill our tummy.

➤ **TRUTH OR DARE**

We meet many people in the journey of life but there are few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**TRUTH OR DARE**” a club service project with Rotaract Club of AM Jain College Shift-1.

This project was done on 21<sup>st</sup> November 2021. Both the club members combined in Semmozhi Park for playing Truth or Dare. With interesting dare and truth, the day was filled with joyous emotions.

➤ **VACCINATION DRIVE**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), supported the Greater Chennai Corporation on successfully completing the first Mega Vaccination drive, which was held on 12<sup>th</sup> September 2021 from morning 7 AM to evening 4 PM.

➤ **VAWEZ**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “VAWEZ”. Vawez 2022 is a cultural fundraising event for installing mist spray nozzle faucets that help bring down the water wastage by 60 to 80%. We have organized this grand cultural event to SAVE WATER for our future and it is our responsibility too. With the help of this event, we are going to start this initiative in government schools in and around Chennai. Vawez 2022 – The grand cultural event was held on 24th April 2022 at Santhome Higher Secondary School Auditorium, Mylapore, Chennai with more than 3500+ audiences. Rtr. PP. Shivananth is the Chairman of this grand cultural event of the year and we have collaborated with 21 college-based clubs for this cultural event Vawez 2022.

➤ **VISIL 2.0**

We meet many people in the journey of life but there are few who leave a mark on us. We, the **Rotaract Club of Crescent**, sponsored by **Rotary Club of Madras Mount** (Rotary International District **3232**) organized an event “**VISIL 2.0**” a club service project.

From the time, we used to rush from our school classrooms to the ground for PT period till now, games have always been an important part of every human's life. The moments and experiences are unforgettable. "VISIL-Back to School Days 2.0" is proudly presented by the Rotaract Club of Vishwahita (sponsored by the Rotary Club of Madras Industrial City) to commemorate such memories. The major goal of this project was to rekindle memories and happiness from school days. Our club, along with 11 other co-host clubs, kicked off the event at 9:30 a.m. on February 27th.

➤ **WALKIE TALKIE**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232) organized a project named “WALKIE TALKIE” a community service initiative.

➤ **WORLD ROTARACT WEEK**

We the Rotaract Club of Crescent, sponsored by Rotary Club of Madras Mount (Rotary International District 3232), organized an event “WORLD ROTARACT WEEK”, is a district Rotaract Council project in which we joined hands with them. It is conducted to celebrate the founding day of Rotaract. Project is done based on the seven area of focus. This project was done between 7<sup>th</sup> March 2022 – 13<sup>th</sup> March 2022. Starting from Inauguration on 7<sup>th</sup> March 2022 to Valedictory on 13<sup>th</sup> March 2022 in DonBosco we did projects such as sapling plantation, blood donation, importance of education, sanitation, maternal health.

➤ **Partition Horrors Remembrance Day**

**When the nation Completes 75 years of Independence, we displayed an exhibition (Photos) of “Partition Horrors Remembrance Day”. Our Honourable Vice chancellor, Registrar, Senior General Manager and LT. Col. Mr. Murugan, inaugurated the exhibition.**



**TEAM MEMBERS - OFFICE OF STUDENT AFFAIRS**



**Dr. KARTHIKEYAN RAMALINGAM**  
**Dean, Student Affairs & Chief Proctor**  
**(Discipline)**



**Dr. S.M. SHAHEEDHA**  
**Deputy Dean (Student Affairs)**



**Dr.M.ABDUR RAHMAN**  
**Assistant Dean (Student Affairs-Male)**



**Ms. J. KHILAFATH**  
**Senior Sel. Gr. Assistant**




**Mr. S. SIDDIQ ALI**  
**Supporting Staff**



**DEPARTMENT OF PHYSICAL EDUCATION**

**SALIENT ACTIVITIES / EVENTS:**

- ❖ As a part of “INTERNATIONAL DAY OF YOGA 2021” celebrations,
  - A Webinar on “Yoga for Holistic Living” was organized on 19<sup>th</sup> and 20<sup>th</sup> June 2021.
  - A live demo and webinar on “Yoga for immunity improvement” and announcement of super brain yoga competition winners”



B.S. Abdur Rahman  
Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956  
GST Road, Vandalur, Chennai 600 048

**INTERNATIONAL YOGA DAY CELEBRATIONS – 2021**


Department of Physical Education, Student Affairs & Crescent Silambam and Yoga Club

Jointly Organizing

**WEBINAR ON YOGA FOR IMMUNITY IMPROVEMENT & ANNOUNCEMENT OF SUPER BRAIN YOGA COMPETITION WINNERS**

(On 21<sup>st</sup> June 2021 @ 10am)

**Register for Free,**  
 Link: <https://forms.gle/stdN7qZRvct6BMkr7>  
 Join WhatsApp: <https://chat.whatsapp.com/HFm3rEOihof0IijqVdxBOuk>  
 Joining Link (Google Meet): <https://meet.google.com/gvc-gano-bcv>  
**Organizing Secretaries:**  
 Dr. S. Selvakumar  
 Director, Dept. of Physical Education  
 9790085085



**Speaker:**  
 Dr. S. Jayaprakash  
 Principal,  
 Vethatiri Maharishi College of Yoga.

Dr. R. Karthikeyan  
 Dean, Student Affairs  
 7502534668

**\*E – Certificate will be Provided for Registered Participants**

**“YOGA AT HOME” AND “YOGA WITH FAMILY”**

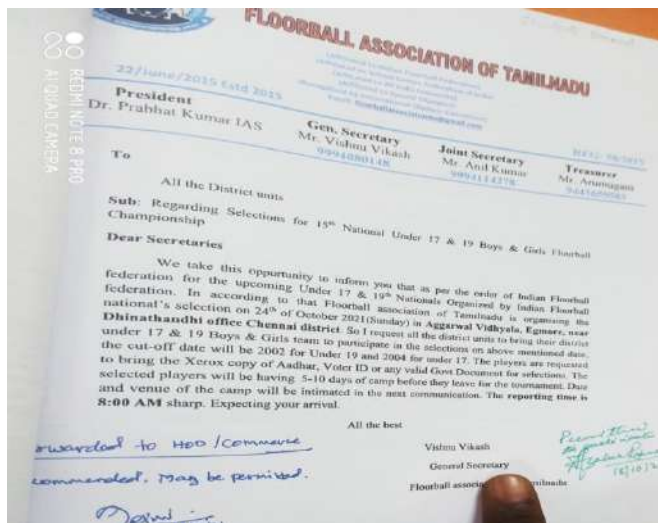
- ❖ Mr. R. Surya of 3<sup>RD</sup> BBA SET SILAMBAM-THARASU and published in KALAMS WORLD RECORD BOOK. The event was organized by Department of Physical Education, Office of Student Affairs and Crescent Silambam Club in our Crescent Campus on 3rd February 2021 at Crescent Sports Village, Adjudicators from Kalams World Record has declared his record after his 2 hours performance.



- ❖ BSACIST signed a Memorandum of Understanding with Tamil Nadu Physical Education and Sports University on 07.08.2021. Our students can utilize the coaches for their training and other sports related activities.



- ❖ Ms. Shandhiya II year B.Com student selected for 15<sup>th</sup> Nationals Under 17&19 Boys and Girls Floorball Championship



- ❖ Mr. Amrish Kishor student of B.Tech (Civil ) selected for Tamilnadu State U-19 Badminton at RAK 'S Sports Coimbatore
- ❖ 75<sup>th</sup> Independence Day Celebrated at our Institute on 15<sup>th</sup> August 2021 and published in Dinamani on 16.08.2021



## கிரசென்ட் கல்வி நிறுவனத்தில் சுதந்திர தின விழா

தாம்பரம், ஆ.க.16: வண்டலூர் கிரசென்ட் அறிவியல் தொழில்நுட்பக் கல்வி நிறுவனத்தில் ஞாயிற்றுக்கிழமை நடைபெற்ற சுதந்திர தின விழாவில் கிராமப்புற அரசுப் பள்ளி மாணவர்களுக்கு பரிசுகள் வழங்கப்பட்டன.

நிறுவன வேந்தர் பி.எஸ்.ஏ. ஆரிப் புகாரி ரஹ்மான் தேசியக் கொடி ஏற்றி வைத்தார். கிராமப்புற அரசுப் பள்ளி மாணவர்களை ஊக்குவிக்கும் வகையில் தத்தெடுக்கப்பட்ட கிரப்பாக்கம் கரசங்கால் கிராமங்களைச் சேர்ந்த 40 அரசுப் பள்ளி மாணவர்கள் மற்றும் பள்ளி ஆசிரியர்களுக்கு பரிசுடன் சான்றிதழ்களையும் ஆரிப் புகாரி

ரஹ்மான் வழங்கினார். விளையாட்டு போட்டிகளில் பங்கேற்ற மாணவர்களுக்கு பரிசுகள் வழங்கப்பட்டன.

விளையாட்டு மைதானத்தைக் கற்றிலும் 75 மரக்கன்றுகள் நடப்பட்டன. ஆசிரியர்கள், கல்லூரி பணியாளர்களுக்கு ஓட்டப் பந்தயம் நடத்தப்பட்டு பரிசுகள் வழங்கப்பட்டன.

துணைவேந்தர் ஏ.பிர்முகமது, பதிவாளர் ஏ.ஆசாத், இணைப் பதிவாளர் ராஜா உசேன், முதுநிலை பொதுமேலாளர் வி.என். ஏ.ஜலால், விளையாட்டுத்துறை இயக்குநர் செல்வகுமார் உள்ளிட்டோர் பங்கேற்றனர்.

- ❖ Fit India Freedom Run 2.0 (Azadi Ka Mahotsav) conducted on 15.08.2021.





- ❖ BSA Crescent Silambam Club Students participated in Assist World Record Event organized by TN Teachers University & B.S. Abdur Rahman Crescent Institute of Science and Technology on 10.09.2021



❖ BSA Crescent Silambam Club Team, Kalams World Record on 22.12.2021



❖ Our BSA Crescent Men Got Winners Score :35-27, 21-35, 35-32 against SRM University in All India Inter - Collegiate Ball Badminton Championship organized by SRM University in namely Founders Trophy on 11.01.2022





❖ Volleyball Selection Trials

Association of Indian Universities (AIU) – South Zone Inter University Volleyball Men Tournament conducted by SRM University, Kattankulathur from 18th to 22nd December 2021. In this regard, Volleyball Men Players Selection Trials will be conducted by Department of Physical Education on 9.12.2021 (Thursday).





❖ **Kabaddi Selection Trials :**

Association of Indian Universities (AIU) – South Zone Inter University KABADDI Men Tournament will be conducted, 2021. In this Regard KABADDI Men Players Selection Trials conducted by Department of Physical Education on 08.12.2021



❖ **South Zone Volleyball Match held at SRM University, B S Abdur Rahman Crescent Institute of Science and Technology played match with Acharya Nagarjuna University on 19.12.2021.**



❖ **ATHLETICS Selection Trails :-**

Men and women Athletics players selection trails conducted by Department of Physical Education on 23.12.2021 in connection with Association of Indian Universities ( AIU) – South Zone Inter University Athletics Men Tournament for the year 2021.



❖ **Association of Indian Football Selection Trails :-**

Men Players Selection Trails will be conducted by Department of Physical Education on 28.12.2021 in connection with Universities (AIU) – South Zone Inter University Football Men Tournament conducted for the year 2021.



- ❖ South Zone Basketball Match at Christ University, We Played with J N T Bangalore University on 31/12/2021.



- ❖ South zone inter university badminton men Tournament 2021-2022 on 6<sup>th</sup> to 10<sup>th</sup> December, 2021 at KL University Andrapradesh





❖ Kabaddi Men Team Practise match with Savitha University Team at BSACIST ON 15.12.2021.



- ❖ Basketball Men Team Practicse Match With Savitha University Team at BSACIST on 15/12/2021.



- ❖ Volleyball Men Team Practicse Match With Savitha University Team at BSACIST on 15/12/2021.





❖ Basketball Men Team Practice Match With Tamilnadu Sports University Team at BSACIST on 15/12/2021.



- ❖ South Zone And All India Inter University Football Championship Men 2021-2022 held on 06/01/2022 At Mahatma Gandhi University ,Kottayam



- ❖ All India Interuniversity Box Tournament held on 21/12/2021 to 26/12/2021 at Lovely Professional University Punjab .





❖ **BSACIST Ball Badminton Men Team Practice Match With Southern Railways Team at Perambur on 08/01/2022.**





❖ **73<sup>rd</sup> Republic Day Celebrated in our Institute on 26<sup>th</sup> January 2022. Our Vice Chancellor hoisted Flag at Sports Village .**



❖ **Staff Club and Department of Physical Education Jointly Organized Staff Tournament 2022**

Badminton (Men And Women ) match on 25/01/2022 at Badminton Indoor Court .



Ballbadminton (Men and Women ) Match On 27/01/2022 at Sports Village Ballbadminton Court .



Volleyball Men Match On 28/01/2021 At Sports Village Volleyball Court .



Throw ball Women Match on 28/01/2021 at Sports Village Throw ball Court.



Tenikoit Women Match on 29/01/2021 at Sports Village



Kho-Kho Women Match on 31/01/2021 at Sports Village.



## ALUMNI RELATIONS

Important events organized in the Academic year 2021 - 22 (From July 2021 to June 2022), in which many Alumni contributed / participated are detailed below:

- 4 Alumni Webinars
- 4 Virtual Departmental Alumni Meets

### Salient Activities and Achievements:

#### 1. Alumni Webinar Series #3 on “Guidance to Aspiring Actuaries”

The Office of Alumni Relations in association with the Department of Mathematics and Actuarial Science organized an Alumni Webinar on the topic “Guidance to Aspiring Actuaries” by our Alumnus Mr. Aamir Altaf Punoo, (Crescent Alumnus, MSc Actuarial Science, 2016 Batch), Actuarial Analyst (Reserving), Chubb Business Services, India on 10 July 2021, as part of the “Alumni Webinar” Series.

The poster is for an alumni webinar. At the top, it features logos for BSACIST, Crescent Institute of Science & Technology, and the Office of Alumni Relations. The text reads: 'Series II Office of Alumni Relations in association with Department of Mathematics and Actuarial Science Presents Alumni Webinar on Guidance to Aspiring Actuaries'. The speaker is Mr. Aamir Altaf Punoo, Actuarial Analyst (Reserving), Chubb Business Services, India, Crescent Alumnus, MSc Actuarial Science, 2016 Batch. The moderator is Dr. K. Ganesh, Director, Office of Alumni Relations. Convenors are Dr. Venkatesen Selvam, Dean (SCIMS) and Dr. S. Rajasekaran, HOD (Maths). Coordinators are Mr. John K Mathew, Office of Alumni Relations and Dr. Mahadev Ota, Alumni Faculty Coordinator - Maths. The event is on 10th July 2021 at 10.30 am IST. The registration link is https://rb.gy/tntxuc. A QR code is also present. At the bottom, it states 'E-Certificates will be provided to the participants' and includes social media links for Facebook, LinkedIn, and Twitter.

#### 2. Alumni Webinar Series #4 on “Introduction to Digital Disruption in Banking”

The Office of Alumni Relations in association with the Department of Management Studies organized an Alumni Webinar on “Introduction to Digital Disruption in Banking” by our Alumnus Mr. Raghuv eer Subramanian, (Crescent Alumnus, MBA, 2006 Batch), Vice President, Barclays on 25th August 2021 at 10.30 am, as part of the “Alumni Webinar” Series.

BSACIST ALUMNI WEBINAR #04  
 Series II  
 Office of Alumni Relations  
*in association with*  
 Department of Management Studies  
*Presents*  
 Alumni Webinar on  
**"Introduction to Digital Disruption in Banking"**  
**Speaker:**  
**Mr. Raghuv eer Subramanian**  
 Vice President  
 Barclays  
 Crescent Alumnus, MBA, 2006 Batch

**Moderator:**  
 Dr. K. Ganesh  
 Director  
 Office of Alumni Relations

**Convenors:**  
 Dr. K. Srinivasan  
 Dean - Crescent School of Business  
 Dr. Shanmugam Muneeswamy  
 HOD - Management Studies

**Coordinators:**  
 Mr. John K Mathew  
 Office of Alumni Relations  
 Dr. Anasit Sarwar Alam  
 Asstt. Professor - Management Studies

25<sup>th</sup> August 2021  
 10:30 am to 11:30 am

**Registration link:**  
<https://rb.gy/gt63vw>

\*Certificates will be provided to the participants

### 3. Alumni Webinar Series #5 on “Project Management – Industry Problem Solving Methodology”

The Office of Alumni Relations in association with the Department of Mechanical Engineering organized an Alumni Webinar on “Project Management – Industry Problem Solving Methodology” by our Alumnus Mr. G. Girish Kumar, (Crescent Alumnus, B.E. Mechanical Engineering, 2007 Batch), Regional Process Improvement Lead – Transport Logistics, CNH Industrial, Greater Chicago Area, USA on 13 September 2021 at 10.00 am, as part of the “Alumni Webinar” Series.

BSACIST ALUMNI WEBINAR #05  
 Series II  
 Office of Alumni Relations  
*in association with*  
 Department of Mechanical Engineering  
*Presents*  
 Alumni Webinar on  
**"Project Management - Industry Problem Solving Methodology"**  
**Speaker:**  
**Mr. G. Girish Kumar,**  
 Regional Process Improvement Lead -  
 Transport Logistics, CNH Industrial,  
 Greater Chicago Area, USA  
 (Crescent Alumnus, B.E. Mechanical Engineering,  
 2007 Batch),

**Moderator:**  
 Dr. K. Ganesh  
 Director  
 Office of Alumni Relations

**Convenors:**  
 Dr. S. Rasool Mohideen  
 Green, School of Mechanical Sciences  
 Dr. H. Siddhi Jaitani  
 HOD - Mechanical

**Coordinators:**  
 Mr. John K Mathew  
 Office of Alumni Relations  
 Dr. M. Abdur Rahman  
 Assistant Professor - Mechanical

13<sup>th</sup> September 2021  
 10:00 am

**Registration link:**  
<https://forms.gle/riePA647SnH1eRA>

\*Certificates will be provided to the participants

#### 4. Alumni Webinar Series #6 on “Rearchitecting Front-end Monorepos with GraphQL and Edge Servers”

The Office of Alumni Relations in association with the Department of Information Technology organized an Alumni Webinar on “Rearchitecting Front-end Monorepos with GraphQL and Edge Servers” by our Alumnus Mr. Nawaz Khan (Crescent Alumnus, BTech (IT) 2010 Batch), Senior Engineer, Everlane, San Francisco, California, USA on 29th October 2021 at 10.30 am (IST), as part of the “Alumni Webinar” Series.







**Office of Alumni Relations**  
*in association with*  
**Department of Information Technology**  
*Presents*  
**Alumni Webinar on**  
**“Rearchitecting Front-end Monorepos**  
**With GraphQL and Edge Servers”**



**Speaker:**  
**Mr. Nawaz Khan**  
 Senior Engineer, Everlane,  
 San Francisco, California, USA.  
 (Crescent Alumnus, B.Tech. (IT), 2010 Batch)



**29<sup>th</sup> October 2021**  
**10:30 AM to 12:00 Noon**

**Registration link:**  
<https://forms.gle/88i9yvTEMhRbnwcM9>

**Moderator**  
**Dr. K. Ganesh**  
Director  
Office of Alumni Relations

**Convenors**  
**Dr. Venkatesan Selvam**  
Dean, SCMS  
**Dr. I. Sathik Ali**  
HOD - IT

**Coordinators**  
**Mr. John K Mathew**  
Office of Alumni Relations  
**Dr. P. Latchoumy**  
Associate Professor - IT

or



Scan Here

E-Certificates will be provided to the participants

#### 5. Virtual Alumni Meet 2021 – Department of Electronics & Instrumentation Engineering

The Office of Alumni Relations and the Department of Electronics & Instrumentation Engineering Organized a “Virtual Alumni Meet 2021” on 3 July 2021 at 10.30 am.

Crescent EIE Alumni cherished their fond memories of the days spent in Crescent. An Alumni interaction was held regarding Admissions, Placement Assistance and Career guidance. A “whistle song” performance by our Alumni Mohammed Athif made the event memorable.



## 6. Virtual Alumni Meet 2021 – Department of Electronics & Communication Engineering

The Office of Alumni Relations and the Department of Electronics & Communication Engineering Organized a “Virtual Alumni Meet 2021” on 14 Aug 2021 at 10.30 am. ECE Alumni cherished their fond memories of the days spent in Crescent. An Alumni interaction was held in which Alumni shared their thoughts & experiences. A “song” by our Alumni Abarna Priyaa Muralidharan, made the event memorable.



## 7. Virtual Alumni Meet 2021 – Department of Chemistry

The Office of Alumni Relations and the Department of Chemistry organized a “Virtual Alumni Meet 2021” on 21 Aug 2021 at 10.30 am.



Chemistry Alumni cherished their fond memories of the days spent in Crescent. An Alumni interaction was held in which Alumni shared their thoughts & experiences. Songs, Poems, Videos, etc. by our Alumni made the event memorable.



### 8. Virtual Alumni Meet 2021 – Department of Management Studies

The Office of Alumni Relations and the Department of Management Studies organized a “Virtual Alumni Meet 2021” on 4 September 2021 at 10.30 am.

MBA Alumni cherished their fond memories of the days spent in Crescent. An Alumni interaction was held in which Alumni shared their thoughts & experiences.



## **ESTATE OFFICE AND FACILITY MANAGEMENT**

1. Construction of Chancellor Office – 500 square ft @ a cost of Rs. 14 lakhs
2. Renovation of women's toilet in Auditorium 2nd floor @ a cost of Rs. 7.26 lakhs
3. Construction of New toilet in Main block @ a cost of Rs. 7.83 lakhs
4. Renovation of MBA Block Phase 3 - class room & computer lab @ a cost of Rs. 7.83 lakhs
5. Renovation of Men's hostel main gate & security room @ a cost of Rs. 7.88 lakhs
6. Establishment of offices at CIIC block 2nd floor @ a cost of Rs. 43 lakhs
7. Installation of New lifts in CIIC Block @ a cost of Rs. 17 lakhs
8. Renovation of CIIC PG block ground floor lab setup @ a cost of Rs. 40 lakhs
9. Repairs & renovation work in Mechanical Block @ a cost of Rs. 10.36 lakhs
10. Repairs & renovation work in Life science block @ a cost of Rs. 11.5 lakhs
11. Establishment of staff canteen @ a cost of Rs. 7.5 lakhs
12. Establishment of new parent waiting hall and bicycle stand in Men's hostel @ a cost of Rs. 4.5 lakhs
13. Revamping of Computer Science Block lift @ a cost of Rs. 10.5 lakhs
14. Establishment of CSE IOT Lab @ cost of Rs. 20 lakhs
15. Establishment of ECE IOT Lab @ cost of Rs. 20 Lakh
16. Establishment of MIS room @ cost of Rs. 10 lakhs
17. Establishment of First year canteen @ a cost of Rs. 17 lakhs
18. Bio Toilet 4 no's to be installed in Main ground @ a cost Rs. 50 K
19. New 2000LPH RO plant purchased for Canteen, Men' & Women Hostel @ a cost of Rs. 11.32 lakhs
20. Construction of additional floor at Arabic college under construction
21. Men's Hostel PG Block renovation work under completion
22. Installation of 90TR capacity Blue star Air cooled chiller in Auditorium under completion
23. Installation of 1000kg/day Waste incinerator under process
24. CSE Block 2nd floor renovation work under process
25. Repairs & renovation work in new staff quarters under process

### **New purchase**

1. New Marazzo car for CIIC @ cost of Rs. 17 lakhs
2. New furniture for BA public policy & MBA classroom @ a cost of Rs. 10 lakhs
3. Eco friendly battery car purchased for Rs. 4.5 lakhs
4. Maruthi Swift car purchased – 2 No's for Rs. 12 lakhs

## **SCHOOL OF COMPUTER, INFORMATION AND MATHEMATICAL SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**DEPARTMENT OF INFORMATION TECHNOLOGY**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**DEPARTMENT OF MATHEMATICS & ACTUARIAL SCIENCE**

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1	IIT Spoken Tutorials	January - June 2022	6	IIT Bombay	557	-	-
2	AI analyst	January – June 2022	40	IBM Career Education	58	-	-
3	Industry session	July 2021	24	IBM Career Education	58	-	-
4	Watson Studio & Machine Learning	July – December 2021	40	IBM Career Education	58	-	-
5	IIT Spoken Tutorials	June - December 2021	6	IIT Bombay	754	-	-
6	Advanced Course Programming in IoT	July – December 2021	40	IBM Career Education	50	-	-

### ➤ Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1	Industry Project Training & Mentoring	December 2021 - June 2022	40	Rs 7,50,000 IBM Career Education	50	-	-

➤ **Interdisciplinary Programmes Conducted**

S.No	Name of the Programme	Other Departments Involved	Details of the Participants			Programme Outcome
			Students	Faculty	Others	
1	International Faculty Interaction on “Machine Learning and Deep Learning”	Placement Cell	-	26	-	To address the concepts of Machine Learning and Deep Learning and to groom the Research Scholars and Faculty members to understand the new concepts and techniques in this field.

➤ **Details of Minor Degree Programmes Offered**

S.No	Name of the Programme	Details of the Students		Programme Outcome
		Department	Number of students	
1	Data Science	CSE	-	-
2	Augmented Reality and Virtual Reality	CSE	-	-
3	Artificial Intelligence and Machine Learning	CSE	-	-
4	BlockChain	CSE	-	-

➤ **Conferences / FDP / Seminars / Workshops organized by the department**

S.No	Name of the Programme	Type of Programme	Duration (From – To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Social Media Security	Technical Webinar	28.06.2022	-	Mr. Govinda Raj Murugan, Serial Entrepreneur Media, Public & Marketing for 7+years Founder & CEO – Ulloor Merchandise, Chennai Adman Founder – Dhagam (NGO), Assistant Director at Blacksheep	-	60	-	-
2.	ARCANE 2k22	Symposium	1.06.2022	-	Mr. Anandhkrishnan Devaraj, Region Lead – Tamil Nadu & Puducherry – Fresher's Hiring Human Resources Global Campus Hiring Team, Wipro Limited	-	30	-	200

3.	Introduction to Parallel Computing	Seminar	19.05.2022	-	Dr. Selvakumar Assistant Professor Grade-II, Department of Computer Applications, National Institute of Technology, Trichy	-	120	-	-
4.	Awareness Session on Salesforce	Seminar	12.04.2022	-	Mr. Ashok Raj 6x Certified Senior Salesforce Developer   Chief Trainer Technical Lead, Digikas India Private Limited	-	130	-	-
5.	Gate Way To PSU Recruitment & Higher Education – How To Crack It	Guest Lecture	6.04.2022	-	Mr. Murali Karthikeyan, Academic Head (GATE), T.I.M.E. (Triumphant Institute of Management Education), Chennai	-	550	-	-
6.	Analytics and Design Thinking	Workshop	22.03.2022	-	Rohith Mahadevan, Student of IV Year CSE A & President of Crescent Data Science Club	-	55	-	-



7.	Unlocking Blockchain Technology	Hands-on FDP	28.02.2022 - 4.03.2022	AICTE	Dr. Maheshwari, Professor, Computer Science and Engineering, Vellore Institute of Technology, Chennai.	20	-	34	-
8.	Role of Intellectual Property Rights in Protecting Inventions & Innovations	Webinar	17.02.2022	-	Dr. Piyush Kumar Pareek, Proessor (CSE) & Head (IPR Cell) Nitte Meenakshi Institute of Technology, Bengaluru	-	-	-	-
9.	Design Thinking as a Tool to Solve Social Problems	Webinar	1.09.2021	-	Ms. Ramya President at Chalkpiece (NGO Design Community) & UX Designer at TCS, Chennai	-	50	-	-
10.	Augmented Reality & Virtual Reality	Webinar	24.07.2021	-	Mr. Zaid Baig , Ford India	-	148	-	-

- **Financial support for organizing value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1	INTELLECT 2k21 (Online International COVID-19 awareness event)	May - July 2021	Rs. 77,000	Promotion of event reached about 45k people around the world through various social media platforms like Instagram, Facebook and Youtube. Received 640 registrations from India, Malaysia, Bahrain and Saudi Arabia.

- **Conferences / FDP / Seminars / Workshops Attended by faculty**

S. No	Name of the Faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Ms.Subhashini	World Cancer Day – Breast Cancer Awareness program	Seminar	04.02. 2022	BSACIST	-
2.	Ms.Subhashini	Project E-Shaksham Training and completed level 1 training	Webinar - Training	2.07.2021	AICTE & Cyber Peace Foundation	-

3.	Ms.Subhashini	Industrial Applications of Machine learning & Deep Learning	FDP	07.12. 2021 - 11.12. 2021	VIT,Chennai	-
4.	Mrs. Madina Banu	Unblocking Blockchain Technology	Hands-on FDP	28.02.2022 - 04.03.2022	BSACIST	-
5.	Mrs. Madina Banu	Current Trends and Future Prospects in Data Science	FDP	10.01.2022 - 14.01.2022	AICTE Training and Learning (ATAL) Academy	-
6.	Mrs. Madina Banu	Wearable Robotics: Design, Sensing and Support	FDP	24.12.2021 - 28.12.2021	AICTE Training and Learning (ATAL) Academy	-
7.	Mrs. Madina Banu	RMSA/SSA Training Programme	FDP	3 months (January 2022 – March 2022)	BSACIST	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021- June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	6	-	-	-	6	-	6

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**  
**SCI/Scopus Indexed Journal**  
**Other Journals**

1. WA Banu, S Sharon Priya, S Sankar, "Automatic Speech Recognition in Regional Languages" Journal of Optoelectronics Laser 41 (5), 478-481 15<sup>th</sup> May 2022.
2. R Akila, S Revathi, "Clustering Text Documents with An Optimized Cuckoo Search Algorithm", Webology 19 (1) 21<sup>st</sup> December 2021.
3. ST Ahmed, S Sankar, M Sandhya, "Retraction Note to: Multi-objective optimal medical data informatics standardization and processing technique for telemedicine via machine learning approach" Journal of Ambient Intelligence and Humanized Computing, 1-1, 30<sup>th</sup> May 2022.
4. S Parthasarathy, V Jayaraman, S Jeganathan, AR Lakshminarayanan, "Menstrual hygiene and waste management: The survey results", Materials Today: Proceedings. June 4<sup>th</sup> 2022.
5. SelvaprabuJeganathan, Arun Raj Lakshminarayanan, Nandhakumar Ramachandran, Godwin Brown Tunze," Predicting Academic Performance of Immigrant Students Using XGBoost Regressor", International Journal of Information Technology and Web Engineering (IJITWE) - Jan 2022
6. Abhishek Muthupriya Vaudevan, Revathi Sathya Narayanan, Sabiyath Fatima Nakeeb," Customer Churn Analysis using XGBoosted Decision Trees", Indonesian Journal of Electrical Engineering and Computer Science, EBSCO Publishing Jan 2022.
7. Tawseef Ahamed, E. Syed Mohamed, "Potential Role of Artificial Intelligence in Mental Health Trauma Service Delivery in Conflict Settings", *8th International Scientific Researchers Conference*, Adana, Turkey, 16th April 2022 (Online mode).

8. E. Syed Mohamed, “Cellular Automata Multi- model Simulation Spread for Tsunami Waves” in the virtual mode conducted the *Emerging Scientist Season III (2022) – ASCE*, Deira Dubai.
9. Manikandan Ayyanar, SelvaprabuJeganathan, Saravanan Parthasarathy, Vaishnavi Jayaraman, Arun Raj Lakshminarayanan,” Predicting the Cardiac Diseases using SelectKBest Method Equipped Light Gradient Boosting Machine”, *2022 6th International Conference on Trends in Electronics and Informatics (ICOEI)*.
10. Vaishnavi Jayaraman, Saravanan Parthasarathy, Arun Raj Lakshminarayanan, ”Forecasting the Emission of Greenhouse Gases from the Waste using SARIMA Model”, *2022 6th International Conference on Trends in Electronics and Informatics (ICOEI)*.

**International Conference & National Conference:**

**Conference with ISBN Proceedings**

**Other Conferences**

1. Saravanan Parthasarathy, Vaishnavi Jayaraman, SelvaprabuJeganathan, Arun Raj Lakshminarayanan, “Menstrual Hygiene and Waste Management: The Survey Results”. *Materials Today: Proceedings, Elsevier* 4<sup>th</sup> June 2022.

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, Country & Month of Publication	Availability Status
			Rs.	\$		
1	Dr.L. Arun Raj	Rajesh, G. Raajini, X. M, & Dang, H. (Eds.). (2021). <i>Industry 4.0</i>	10,238	-	CRC Press, Boca Raton, January 2021	Available

		<i>Interoperability, Analytics, Security, and Case Studies.</i> CRC Press.				
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➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patent			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. E. Syed Mohamed	Real Time Agriculture Field Monitoring System Using IOT	-	26.03.2022	-	-
2	Ms. Subhashini. S	Fog Computing Technologies based implementation of Modern Educational Systems using Machine Learning Algorithms	-	15.04.2022	-	-
3	Ms. Subhashini. S	Blockchain and Cloud Computing based Criminal Digital Forensic Investigation and Prediction using Artificial Intelligence and Machine Learning Algorithms	-	01.04.2022	-	-
4	Dr. Sabiyath Fatima	Preservation of Higher Accuracy Computing in –	-	02.07.2021	-	-

		Resource Constrained Devices Using Deep Neural Approach by Knowledge Distillation Method				
5	Dr. Sabiyath Fatima	Intelligent Method for Academic Achievement using Machine Learning	-	22.10.2021	-	-
6	Dr. S. Revathi (Professor) Dr.N. Sabiyath Fatima Dr. V. Muthupriya Dr. A.K. Reshmy Mrs.Sabaria Mrs. D. Menaga Mrs. D. Madhina Banu Mrs. R. Akila Mrs. J. Brindha Merin Mrs. A. Radhika	Academic Achievement using Machine Learning.	-	04.10.2021	-	-

➤ **Sponsored Research (Ongoing / Granted)**

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1	Dr. E. Syed Mohamed	SERB	Cellular Automata Models for Propagation of Tsunami Waves	12,48,000	-	-	-	Ongoing

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of Purchase	Date of Installation	Amount in Rs
1	HP i3 Desktop	HP, India	March, 2022	March, 2022	Rs 11,97,000
2	HP i3 Desktop	HP, India	June ,2022	June, 2022	Rs 11,89,125

➤ **Faculty Internships (Industry / Research Organization / Academic Institution)**

S.No	Name of the Faculty	Details of work place & Mentor	Period of Internship	Outcome
1.	Dr. A. Ramachandran	Virtusa (Train The Trainer)	October & November 2021	Application Development using Full Stack Engineering

➤ **Achievements of Faculty & Non Teaching Staff**

S.No	Name of the Faculty/ Non teaching Staff	Type of Recognition/Award	Details of Awarding Organization	Month & Year
1	Dr. E. Syed Mohamed	PERFICIO Award/ UPACRI 2022 – “Best Head of the Department of the Year”	DHS Foundation, New Delhi, India & Faculty of Entrepreneurship and Business University, Malaysia Kelantan, Malaysia in collaboration with Janardan Rai Nagar Rajasthan Vidyapeeth University	May, 2022



2	Dr. L. Arunraj	Resource Person	BSACIST	October, 2021
3	Dr. L. Arunraj	Quality Publication	BSACIST	July, 2021
4	Dr. L. Arunraj	Keynote speaker and Session Chair	Panimalar Engineering College	March, 2022
5	Dr. L. Arunraj	Session Chair	Saveetha Engineering College	February, 2022
6	Dr. E. Syed Mohamed & Ms. Subhashini	Appreciation for Innovative International online events during COVID – 19 lockdown period and effortless contribution in INTELLECT 2k20-21 (as a Founder and Convenor)	BSACIST	March, 2022
7	Dr. E. Syed Mohamed	Appreciation for an excellent lecture delivered on “Desktop Security”	Directorate of Employment and Training, Guindy, Chennai	March, 2022
8	Dr. W. Aisha Banu	Third best paper award	Springer International Conference	March, 2022

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Mohamed Irfan	180071601113	2 <sup>nd</sup> place with an amount of Rs 50,000/- Award from the honourable Chief Minister of Tamil Nadu	Confederation of Indian Industries	November, 2021
2.	Ms. A. Oliviya	180071601135	Scored Elite+Gold	NPTEL Swayam	April, 2022

3.	Ms. Madhumitha A & Mr. Babu Mohammed Izhan	180071601031 & 180071601012	Vice President	Crescent Coding Club	-
4.	Ms. Fatima Farooq F	-	III prize	Industry Institute Partnership Cell & Crescent Coding Club	June, 2022
5.	Mr. Danush Partap Singh	180071601028	I prize	Calligraphy conducted by School of Arabic and Islamic Studies & Crescent Islamic Cultural Society	June, 2022
6.	Mr. Babu Mohammed Izhan	180071601012	I place	Industry Institute Partnership Cell & Crescent Coding Club	March, 2022
7.	Mr. Yuvanshankar A	180071601174	II place		
8.	Mr. Shanmuga Natraj M	180071601012	III place		
9.	Mr. M. I. Mohamed Rizwan	200171601034	I place	Women's Day Contest conducted by Crescent Art Club	March, 2022
10	Mr. Sakthiganavel	211612601003	I place Awarded with cash prize of 15,000 along with a trophy and a medal.	State level Two Senior Ball Badminton tournament, Srirangam	May, 2022
11	Mr. Sakthiganavel	211612601003	SRM Founders Trophy	All India Inter Collegiate Ball Badminton Tournament held at SRM University	January, 2022
12	MR. N. Visvas	180071601172	Presented a research paper entitled "An Efficient Method for Image Restoration using GAN"	IEEE sponsored 2022 An efficient method for Image Restoration using GAN Second International Conference on Innovative	July, 2022

				Computing, Intelligent Communication and Smart Electrical Systems (ICES 2022) held at the Department of Computer Science and Engineering, St. Joseph's Institute of Technology	
13	Mr. Syed Umar	180071601165	Presented a research paper entitled "An Efficient method for Image Restoration using GAN"	IEEE sponsored 2022, an efficient method for Image Restoration using GAN Second International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES 2022) held at the Department of Computer Science and Engineering, St. Joseph's Institute of Technology	July, 2022
14	Mr. Adithya. M	180071601004	Published a Research paper on "Heart Disease Analysis using Multiple Linear Regression" vol. 10,no.9, 2021	International Journal of Engineering Research and Technology	October, 2021.
15	Mr. Adithya. M	180071601004	Selected for the Grand finale and first runner up at unipreneur level.	GITEX Global	October, 2021.

➤ **Details of Credit Transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of Credit Transfer
1	Mr. S. Saravanan	210863104006	Introduction to Machine Learning & 3	4 months	B	June, 2022
2	Ms. G. Aarthi	210863101001	Introduction to Internet of Things noc22-CS53 & 3		A	
3	Ms. G. Safiya Begam	210863701001	Introduction to Internet of Things noc22-CS53 & 3		B	
4	Mr. Mohd Miskeen Ali	210863104001	Introduction to Machine Learning noc22-CS29		B	

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of Development Activity	Duration	Details of Faculty and Student Participation	Objective	Outcome
1.	NPTEL Swayam	July – December 2021	Mr. B Fatheen Khan	Introduction To Industry 4.0 and Industrial Internet of Things - Online	-
2.			Ms. Aarthy R, Ms.Geetha T	Deep Learning IITROPAr - Online	-
3.			Mr.Mohd Miskeen Ali, Ms.Arunapriya R	Introduction To Machine Learning IITM - Online	-

4.		January – April 2022	Ms.Vijayalakshmi, Ms.D.Madina Banu, Ms.J.Brindha Merin, Ms.A.Radhika, Dr.J.Jeyapriya, Dr.B.Dhanlakshmi	Data Base Management System	-
5.			Dr.S.Revathi	Introduction to Soft Computing	-
6.			Ms.R.Akila	Data Mining	-
7.			Dr.A.Alif Siddiqua Begum	Systems and Usable Security	-
8.	Coursera	19.04.2022	Mr. Sachin E, IV B.Tech CSE A	HTML, CSS and Javascript for Web Developers	Knowledge and Skills Development
9.	Great Learning	October – November 2021	Mr. Jagadeeshwaran P, III B.Tech CSE A	Python for Machine Learning	
10.	Udemy		Mr. Z Hasir Hamdan, II B.Tech Cyber Security	Learn Ethical Hacking from scratch	
11.	Coursera	July – August 2021	Ms. Subhashini S	AI For Everyone	To improve teaching and learning process.
12.	Coursera		Ms.Preeti Varma	Neural Networks and Deep Learning	
13.	The Priority Academy		Ms. Subhashini S	NLP (Neuro-Linguistic Programming) Practitioner & Master Practitioner	
14.	IBM Skills Build for Students and Educators		Ms. Subhashini S	Working in a Digital World: Professional Skills	
15.	Coursera	January – May 2022	Dr V Muthupriya	Neural Networks and Deep Learning	
16.	Coursera		Dr.C.Hema	Blockchain Basics	

17.	Coursera		Ms.R Akila	Natural Processing TensorFlow	Language in	
18.	Coursera		Dr. B. Dhanalakshmi	The Data Toolbox	Scientist's	
19.	Coursera		Ms.D.Madina Babu	The Data Toolbox	Scientist's	
20.	Oracle Academy		Ms.R.Akila	Java Programming		
21.	Coursera		Ms.Preeti Varma	Convolutional Networks	Neural	

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1	IBM India Pvt. Ltd.	IBM Career Education Program	April, 2017		Ongoing	Study Innovative curriculum jointly developed with IBM based on the skills requirements by various organizations across the world. Learn from Industry Faculty by IBM who will teach using Live Industry cases. Use Licensed IBM software tools for training as part of the program (for education purposes) Courseware Books and material for each student from IBM Co-Branded Certificate on

					successful completion of the course by the institute & IBM Improving prospects for a global career with best of the companies
2	Gibraltar Technologies, Dubai	Project	2020	Ongoing	Students Internship. Projects. Development of new technologies. solving complex real time problems etc.

**Remarks:** 58 students were enrolled in the IBM Specialization programme in AI, IoT & Big data analytics in 2017 and successfully completed it in 2021 during their 4-year period. The certificates were distributed on 8<sup>th</sup> April 2022

➤ **Important Visitors**

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1	Ms. Preethi Ramesh	Development Engineer Level 3, Comcast India Engineering Center Chennai	Special Invitee for 19 <sup>th</sup> Board of studies meeting held on 28.11.2021.	Curriculum and Syllabus Revision
2	Ms. Anshu Premchand	Agile & DevOps Practice Head, Tata Consultancy Services, Chennai	External member for 19 <sup>th</sup> Board of studies meeting held on 28.11.2021.	

➤ **Important Activities Photographs**



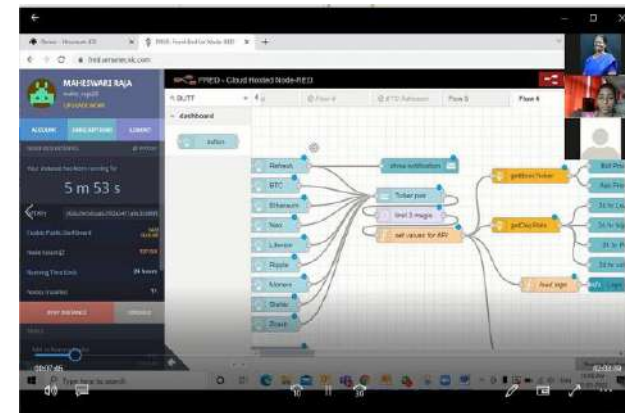
Technical Seminar on "Introduction to Parallel Computing" held on 19.05.2022



Social Awareness Club/CSE - Awareness session on Salesforce held on 12.04.2022



Crescent Data Science Club/CSE conducted a workshop on "Analytics and Design Thinking" on 22.03.2022



"Unlocking Blockchain Technology" Hands-on FDP conducted during 28.02.2022 to 04.03.2022





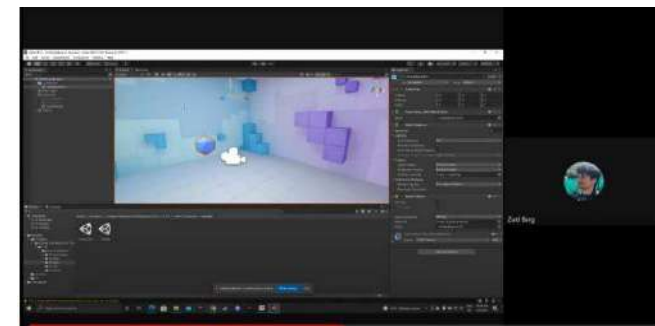
International Faculty interaction on “Machine Learning and Deep Learning” held on 27.08.2021



Role of Intellectual Property Rights in Protecting Inventions & Innovations held on 17.02.2022



Faculty Training 2022 at Zoho, Chennai



Webinar on Augmented Reality/ Virtual Reality held on 24.07.2021



IBM Joint programme certificate distribution on 08.04.2022



Mohamed Irfan P (RRNO.180071601113) won 2<sup>nd</sup> place in the state level hackathon conducted by Confederation of Indian Industries and awarded the prize money by our honourable Chief Minister of Tamil Nadu M. K. Stalin on 26.11.2021.



Crescent Coding Club Contest Winners



ARCANE 2k22 Symposium

## DEPARTMENT OF INFORMATION TECHNOLOGY

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of participants		
					Students	Faculty	Others
1	Java	September-December 2021	16 Weeks	Spoken Tutorial	61	–	–
2	HTML				57	–	–
3	R				56	–	–
4	C	March – June 2022			65	–	–
5	HTML				57	–	–
6	RDBMS Postgre SQL				60	–	–

### Conferences / FDP / Seminars / Workshops Organized by the Department:

S. No	Name of the programme	Type of Programme	Duration (From – To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	The Importance of Ethical Hacking	Webinar	31.08.2021	-	Mr. Manoj Kashyap	15	130	15	110
2.	Embrace Technology	Seminar	26.11.2021	–	Mr. Charles Godwin-	10	130	–	–

					HR Head, Zoho Corporation				
3.	Branding Yourself	Guest Lecture	25.5.2022	-	Mr. Joshwa David, India Campus Lead Mphasis	10	120	-	60
4.	45th Indian Social Science Congress	Conference	28.03.2022 - 01.04.2022	-		11	8	2	
5.	Digital Marketing	Workshop	10.06.2022	Skill and Personality Development Programme Centre (SPDC)	Mr. Govind Raj Murugan	-	40	-	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty:**

S. No.	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. Nabeena Ameen	The Importance of Ethical Hacking	Webinar	31.08.2021	SCIMS, IT, BSACIST	-
2.	Dr. Nabeena Ameen	Unblocking Block Chain Technology	Hands on FDP	28.02.2022 - 4.3.2022	SCIMS, CSE, BSACIST	-
3.	Dr. P. Gnanasekaran	Machine Learning and Deep Learning.	FDP	21.2.2022 - 26.2.2022	Eswari Engineering College.	-
4.	Dr. P. Gnanasekaran	Machine Vision and Digital Twin.	FDP	22.11.2021 - 6.11.2022	Sathyabama Institute of Science and Technology	-

5.	Dr. P.Gnanasekaran	A blend of Machine Vision, Cyber Security, Block Chain and Application	FDP	15.8.2021 to 18.8.2021	Sathyabama Institute of Science and Tecnology	-
6.	Dr. M. Kabeer	Machine Learning for Soil and Crop	NPTEL - FDP	January - April 2022	Swayam NPTEL	-
7.	Dr. P. Gnanasekaran					
8	Dr. N. Rajendran	NIRF India Rankings – 2022 for Higher Educational Institutions	National workshop	05.01.2022 - 06.01.2022	Institute for Academic Excellence, Hyderabad	Rs. 2753/- (Rs.8260/- for 3 Faculty) received from BSACIST

➤ **Financial support for organizing value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of the Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1	National Level Technical Symposium - ICON 22 (Professional Society - IT)	25.05.2022	Rs.25,000	The symposium had 150 participants from various Institutions to participate in technical and non-technical events organized by Society of Information Technologists

➤ **Papers Published/ Presented in Journals & Conferences**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
6	--	4	9	--	--	5	1	25

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**SCI/Scopus Indexed Journal: (International Journals)**

1. Varun Kumar K.A., T. Sucharitha, R. Priyadarshini, N. Rajendran, (in press) “Comparative Approach for Discovery of Cancerous Skin using Deep Structured Learning”, International Journal of Nanotechnology, 2022. (WOS – SCIE Indexed, IF:0.367 & Scopus Indexed, SJR: 0.15).
2. Chitra Karunakaran, Kavitha Ganesh, Sonya and Rohitha Subramani, “A Privacy Preserving Framework for Health Records using Blockchain”, Pertanika Journal of Science and Technology, Volume 29, ISSN: 0128-7680, October 2021 (WoS & Scopus Indexed I.F 0.17)
3. A. Sonya, “Data Analysis and Big Data Analysis in Technology Management Using R Data Language”, Design Engineering, ISSN: 0011-9342, Pg No: 3965-3975, November 2021 (Scopus SJR: 0.1)
4. Seren a Rajakumar, Kavitha Ganesh and Sathik Ali.I, “Extraction of Drug-Drug Interaction Information using a Deep Neural Network”, International Journal of Data Mining and Bioinformatics, Vol.25, No.3/4, pp:181-200, 2021 (Inderscience Publishers, Scopus Indexed I.F: 0.21)
5. Shahbaz Afzal, Kavitha.G, “A Proactive Population Dynamics Load Balancing Algorithm in Cloud Computing for QoS Optimization”, International Journal of Grid and Utility Computing, Inderscience Publishers, Vol.12, Nos.5/6, pp: 554-572, 2021 (Web of Science, Scopus Indexed, IF 2.3).

**Other journals**

1. **Sonya.A and G. Kavitha**, “Effective Approaches for Preserving Energy Consumption in Cloud Computing”, International Journal of Engineering Research and Technology, Vol.10, No.4, pp:14-20, 2021.

### **International Conference & National Conference:**

#### **International Conferences with ISBN:**

1. S. Raja Mohamed, N. Rajendran, I. Sathik Ali, M. Kabeer, "Enhanced Security in Supply Chain Management System using AES and MD5 Algorithms", 12th International Conference on Science and Innovative Engineering, June 2022 (ISBN 978-93-81288-22-1).
2. R. Priyadarshini, N. Rajendran, Soshya Joshi, P. Sharmila, Matheen Fathima, "Prediction of Crop Harvest Soil Composition using Vector Distance Analysis and Multi Linear Regression", Proceedings of the 4<sup>th</sup> International Conference on Computing and Communications Technologies (IC CCT), IEEE, December 2021. (ISBN: 978-1-6654-1447-0).
3. Nuzhat Ahmad Yattoo and I. Sathik Ali, "Diabetes Prediction Using Support Vector Machine", 2<sup>nd</sup> International Cappadocia Scientific Research Congress – held during 17<sup>th</sup> to 19<sup>th</sup> June 2022 (ISBN: 978-625-7464-92-5).
4. A Sonya, "Safe Encryption Algorithm for Secured Message Communication using Dcombo: A new Sorting Technique" Proceedings of the 2nd International Conference on Sustainable Expert Systems (ICSES 2021), Tribhuvan University at Nepal during 17 & 18, September 2021 (ISBN: 978-981-16-7657-4).

#### **International Conferences without ISBN**

1. Sumaiya Mubasshara. H. Fiza Hussain .M, Dr. Nabeena Ameen," Securing Enterprise emails in Cloud Platform", proceedings of the International conference on Machines, Computing, and Management Technologies on 17<sup>th</sup> & 18<sup>th</sup> June 2022.

2. P. Sathya, Dr. P. Gnanasekaran “Rainfall Forecasting System using Machine Learning Techniques and IoT Technologies for a Localized Region”, International Conference on Sentiment Analysis and Deep Learning, 2022. (Accepted & Presented).
3. P. Sathya, Dr. P. Gnanasekaran “Improving Clustering Efficiency in Machine Learning for Agriculture Data to Enhance Yield Productivity” International Conference on Computational Sciences Modelling Computing and Soft Computing., 2022. (Accepted & Presented).
4. A. Sonya, G. Kavitha, “Human Health Care Systems Analysis for Cloud Data Structure of Biometric System Using ECG Analysis”, proceedings of the International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN – 2021) at Bangalore, September 2021.
5. A. Sonya, S. Jaya Priya, M. Rabiya Junith Basha, N. Asiya Sana,” Importance of Search Engine Product in the Cloud Environment”, Proceedings of the 4th International Conference on Emerging Trends on Science, Technology and Mathematics, ICETSTM 2021, September 2021, Dindigul.
6. A. Sonya, G. Kavitha, P. Latchoumy” Enhancing Data Security for Sharing Personalized Data in Mobile Cloud Environment” Proceedings of the 4th International Conference on Big Data and Cloud Computing organized by the Department of Computer Science and Engineering, Karunya Institute of Technology and Sciences at Coimbatore on 20<sup>th</sup> & 21<sup>st</sup> August 2021.
7. A. Sonya, G. Prathiksha, Kishore Kumar, H. Preethi S. Priyadharshan, “To Ensure the Multilevel Encryption in the Cloud Computing”, Proceedings of the International Conference ICT-IATR, Mohanlal Sukhadia University, Udaipur, July 2021.
8. Nuzhat Ahmad Yattoo and I. Sathik Ali, “Diabetes Mellitus Forecasting Using Random Forest Classifier”, International Conference on Advanced Communication Control and Computing Technology, held during 28<sup>th</sup> to 30<sup>th</sup> June 2022.
9. Affia Thabassum, M. Mohammed Thaha, N. Rajendran and A. Abudhahir, “Enhancing Attainment of Learning Outcomes through Active Learning”, International Conference on Educating the Millennials (ICEM 22), Saveetha Institute of Medical and Technical Sciences, Chennai, May 2022.



### **National Conference with ISBN**

1. S. Raja Mohamed, N. Rajendran, I. Sathik Ali, "Effect of PRISMA Approach on Supply Chain Management using AES Algorithm", 45th Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, 2022. (ISBN: 978-93-83879-27-6).
2. Nabeena Ameen, Shabaz Afzal, Shaila Banu, "An Efficient IOT-Based Patient Monitoring and Heart Disease Prediction System using Deep Learning Modified Neural Network", 45<sup>th</sup> Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, 2022. (ISBN: 978-93-83879-27-6).
3. A. Sonya, "Detecting Emotional Expressions Based on Machine Learning Algorithm in Social Networks", Proceedings of the 45th Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, 2022. (ISBN: 978-93-83879-27-6).
4. K. Chitra and G. Kavitha, "Penalty Based Text Generation using Generative Adversarial Networks", in Proc of XLV Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, Chennai held during 28<sup>th</sup> March to 01<sup>st</sup> April 2022. (ISBN: 978-93-83879-27-6).
5. Shahbaz Afzal and G. Kavitha, "Role of Cloud Computing in Combating the Covid-19 Pandemic-A Case Study", in Proc of XLV Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, Chennai held during 28<sup>th</sup> March to 1<sup>st</sup> April 2022. (ISBN: 978-93-83879-27-6).
6. Nuzhat Ahmad Yattoo and I. Sathik Ali, "Diabetes Prediction Using Gaussian Process Classifier", in Proc of XLV Indian Social Science Congress, B.S.A Crescent Institute of Science and Technology, Chennai, held during 28<sup>th</sup> March to 01<sup>st</sup> April 2022. (ISBN: 978-93-83879-27-

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1	Dr. R. Priyadarshini Dr. N. Rajendran Mr. K. A. Varun Kumar	Modern Software Development Workbook	699	-	Mahi Publication, India ISBN: 978-93-91556-66-2  February 2022	Available online ( <a href="https://www.amazon.in/MODERN-SOFTWARE-DEVELOPMENT-WORKBOOK-PRIYADARSHINI/dp/B09T3F5FPB/ref=sr_1_1?crd=FD5JD5E0Z7HM&amp;keywords=modern+software+workbook+priyadarshini&amp;qid=1660892870&amp;srefix=modern+software+workbook+priyadarshini%2Caps%2C485&amp;sr=8-1">https://www.amazon.in/MODERN-SOFTWARE-DEVELOPMENT-WORKBOOK-PRIYADARSHINI/dp/B09T3F5FPB/ref=sr_1_1?crd=FD5JD5E0Z7HM&amp;keywords=modern+software+workbook+priyadarshini&amp;qid=1660892870&amp;srefix=modern+software+workbook+priyadarshini%2Caps%2C485&amp;sr=8-1</a> )
2	Dr. R. Priyadarshini, Ms. K. Anuratha, Dr. N. Rajendran, Ms. S. Sujeetha	APMFT: Anamoly Prediction Model for Financial Transactions using Learning Methods in Machine Learning and Deep Learning, pp. 553-557	-	138	Smart Intelligent Computing and Communication Technology, Advances in Parallel Computing, Vol. 38. IOS Press, Netherlands. ISBN: 978-1-64368-203-7 October 2021	Available online ( <a href="https://www.iospress.com/catalog/books/smart-intelligent-computing-and-communication-technology">https://www.iospress.com/catalog/books/smart-intelligent-computing-and-communication-technology</a> )
3	Ms. A. Sonya	Virtualization Privacy Concerns in Cloud Computing Environments: A Taxonomy: Computer Environments, Privacy, Virtualization	604	-	Taxonomy Kindle Edition, Kalaivani Publications, 2022.	Available online <a href="https://arcus-www.amazon.in/Virtualization-Privacy-Concerns-Computing-Environments-ebook/dp/B09P46894P">https://arcus-www.amazon.in/Virtualization-Privacy-Concerns-Computing-Environments-ebook/dp/B09P46894P</a>

4	Dr. G. Kavitha, Dr. P. Latchoumy Ms. A. Sonya	Enhancing Data Security for sharing Personalized Data in Mobile Cloud Environments (Chapter)	–	–	Disruptive Technologies for Big Data and Cloud Applications, Lecture Notes in Electrical Engineering (Springer book series – Scopus Indexed)	Available Online
5	Ms. A. Sonya, Dr. G. Kavitha Ms. S. Muthusundari	Human Health Care Systems Analysis for Cloud Data Structure of Biometric System Using ECG Analysis (Chapter)	–	–	Evolutionary Computing and Mobile Sustainable Networks, Lecture Notes on Data Engineering and Communication Technologies (Springer Nature – Scopus Indexed)	Available Online

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. G. Kavitha , Dr. P .Latchoumy , Dr.I. Sathik Ali, Dr.M. Kabeer, Dr.N. Prakash , Dr.Priyadarshini , Dr. Nabeena Ameen, Dr. N. Rajendran Mr. Varun Kumar, K. A. and Mr. Piyush Kumar Pareek.	Internet of Things and Intelligent Irrigation System Using Cloud Computing	-	17.11.2021 Patent number: 2021106796	November, 2021	–
2	Mr. Surbh Agrawall, Prashanth, Mr. Lakshminarayana, Ms. Chandrakala B Mr.M, Sterlin Minish, Dr. Nabeena Ameen, Mr. Subramanya Bhagwat,	Enhancement of Security Issues in Distributed Computing using Artificial Intelligence and Machine Learning	19.05.2022	Patent number: 202241028741 27.05.2022	-	-

	Mr. Melwin D Souza, K. B. V. Mr. Brahma Rao, G.P. Mr. Hegde Mounesha Chari S, Mr.Poorna Chandra Reddy Alla					
3	Dr. Praveena Akki, Dr.S. Balaji, Dr.P.G.Om Prakash, Mr.V.Shanmuganathan, Dr.P.Gnanasekaran	Design System of IoT Based Smart Public Food Distribution Management System to Control and Monitor	06.01. 2022	Patent number: 202241000 06.01.22		-
4	Ms. A.Sonya	IoT Based Adaptive Equipment For Elderly People.	-	Patent number: 202141034616 13.08.2022.	-	-
5	Ms A.Sonya	Predicting COVID-19 Infected Patients Based on Machine Learning in Healthcare Model".	-	Patent number: 2021104206. 15.07.2022	Granted July 2021	
6	Ms A.Sonya	A System of Computer Vision and Machine Learning for Optical Character Recognition".	-	Patent number: 202141031333 published 16.07.2021	-	-
7	Ms A.Sonya	Securing Patients Health Information Using Attribute Based Encryption".	-	Patent number: 202141029278 published 06.07. 2021	-	-
8	Ms A.Sonya	Deep Learning Based System and Method for Detection of Facemask".	-	Patent number: 202141026938 published 02.07.2021	-	-

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range: **0.15 to 2.3**    B) Average: **0.58**    C) H-Index: **7**    D) No. In Scopus: **5**

➤ **Achievements of Faculty & Non-teaching Staff**

S.No	Name of the Faculty/ Non-teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. Latha Tamilselvan	Research Incentive awards for 2019	BSACIST	September, 2021
2.	Mr. N. Rajendran	Research Incentive awards for 2019	BSACIST	September, 2021
3.	Mr. R. Priyadarshini	Research Incentive awards for 2019	BSACIST	September, 2021
4.	Dr.G. Kavitha	Award of Appreciation - Value Added Course - IIT Bombay	BSACIST	June, 2022
5.	Dr.P. Gnanasekaran	Award of Appreciation - Value Added Course - IIT Bombay	BSACIST	June, 2022
6.	Ms. A. Sonya	Award of Appreciation - Value Added Course - IIT Bombay	BSACIST	June, 2022

➤ **Achievements of Students:**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Ms. Shaila Banu.H Ms. Pradhiksha.G Ms. Sneha.B	180081601041 180081601031 18008160104	Authored in Book- Tech in MED	Published by BSACIST	2021

2	Mr. Mohamed Imran Khan	200081601023	Star of Rotaract	R.I.D 3232 (Rotaract Club)	2021 - 2022
			Best Supporter of the Club	Rotaract Club of Crescent	2021-2022
			Non stop Muttamil Kalai Vizha	Orange World Record	July 2021
3	Mr. Shylesh Gideon.S	200081602011	Supporting Rotractor Award	Rotaract Club of Crescent Dept.of CSE, BSACIST	2021-2022
			First Prize in Pub-G - National Level Technical Symposium - ARCANE 2K22		June, 2022

➤ **Developmental Activities of the Department (for branding/knowledge dissemination etc.)**

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	National Level Technical Symposium - ICON 2022	1 day	10 faculty members and 180 students participated	The objective of the symposium is to enhance the knowledge and skills of the students.	The students participated in various technical events like paper presentation, capture the flag, jail break, bug buster and jigsaw stopwatch to show case their technical knowledge and won cash prizes and certificates.

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Society of Information Technologists	National Level Technical Symposium- ICON 22	10	180	–	Mr. Joshwa David, India Campus Lead Mphasis	The technical and leadership skills of students are developed.	The event had about 50 participants from other Institutions.

➤ **MoUs Signed:**

S.No	Name of the Industry / Research Organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	Infosys	Usage of Digital Platform & Aiding Teaching and Learning Process	27	11	2021	Course Completion Certificate	Certification Courses

➤ **Extension Activity Conducted:**

S.No	Type of extension activity	Details of participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	45 <sup>th</sup> Indian Social Science Congress <b>Theme: 09</b> Current Research and Theory in Computer Science Growth of Indigenous Digital Technology	3	10	8	Research scholars, UG & PG students, Faculty members	28.03.2022 - 01.04.2022	Research discussion suggested about the disruptive technologies ( AI, Blockchain etc) can revolutionize human life.
2.	45 <sup>th</sup> Indian Social Science Congress <b>Theme: 14</b> People's Health and Quality of Life	3	20	-	Research scholars, UG & PG students, Faculty members	28.03.2022 - 01.04.2022	Improved technical and communication skills. It also provided an opportunity to learn People's Health and Quality Of Life.



## DEPARTMENT OF COMPUTER APPLICATIONS

### ➤ New Programmes started

S.No	Name of the Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1	BCA Artificial Intelligence	2022-23	23.12.2021	-	-	-
2	BCA Cyber Security	2022-23	23.12.2021	-	-	-

### ➤ Value Added Programmes started

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	RDBMS	July – December 2021	1.5 hours	IIT Bombay Spoken Tutorial	4	Dr. P. Amudhavalli	-
2					38	Dr. Ashfauk Ahmed	-
3					31	Dr. ZameerGulzar	-
4					32	Ms. Padmavathy	-
5					27	Dr. Sonia Raman	-
6					9	Ms. PreetiVerma	-
7	R	July - December	4 hours	IIT Bombay Spoken	1	Dr. Shenbagapriya	-

8		2021		Tutorial	7	Dr. Prasanna	-
9					12	Dr. A.K. Reshmy	-
10					4	Ms. S. Sabaria	-
11					1	Dr. S. Srisakthi	-
12					1	Dr.ShakilaAnjum	-
13	Python 3.4.3	July – December 2021	6 hours	IIT Bombay Spoken Tutorial	15	Dr. Javubar Sathick	-
14					24	Dr. Abdul Azeez khan	-
15	Arduino	July - December 2021	4 hours	IIT Bombay Spoken Tutorial	1	Ms. Pandiyavathy	-
16	C and CPP	January - June 2022	3 hours	IIT Bombay Spoken Tutorial	50	Dr. C. SenthilSelvi	-
17					27	Dr.M. Mohamed Divan Masood	-
18					23	Dr. S. Shahar Banu	-
19					5	Dr. S. Shahar Banu	-
20	Java	January - June 2022	6 hours	IIT Bombay Spoken Tutorial	33	Dr. A. K. Reshmy	-
21					21	Ms. S.P.Chithra Preetha	-
22	Python 3.4.3	January - June 2022	6 hours	IIT Bombay Spoken Tutorial	26	Dr.Javubar Sathick	-
23					15	Dr. A. K. Ashfauk Ahamed	-
24					21	Ms. Preeti Verma	-

25					29	Dr. V.J. Sowmya	-
26					37	Dr. Abdul Azeez Khan	-
27					18	Ms. Pandiyavathi	-

➤ **Interdisciplinary Programmes Conducted**

S.No	Name of the Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	Conference 25.03.2022	Ph.D Scholars, Faculties	-	Ph.D Scholars, Faculties	-	Gained innovative research ideas
2	Webinar/Seminar 02.04.2022	-	UG and PG Students	UG and PG Class Advisors	-	Gained knowledge about cloud products and services
3	Workshops & Conventions 06.04.2022	-	Final year UG and 1st year PG	Final year UG and 1st year PG Advisors	-	Gained knowledge about machine learning tools & techniques
4	Symposium 26.05.2022	-	UG and PG Students	CA Faculty members	Other College UG and PG students	Conducted technical & non- technical events
5	Inauguration of Club Event 12.08.2021	-	UG and PG Students	CA Faculty members	-	Societal activities on Computer Application Association & Computer Society of India
6	Fresher's day Programme 17.09.2021	-	First year UG Students	CA Faculty members	-	Gesture of extending a friendly atmosphere and to be a motivating factor for

						juniors.
7	Fresher's day Programme 01.10.2021	-	First year MCA Students	CA Faculty members	-	Gesture of extending the friendly atmosphere and to be motivating factors for juniors
8	Guest Lecture 08.12.21	-	UG and PG Students	CA Faculty members	-	Blockchain technologies and Opportunities

➤ **Conferences / FDP / Seminars / Workshops Organized**

<b>TYPE OF PROGRAMME: SYMPOSIUM</b>					
<b>S.No.</b>	<b>Chief Guest</b>	<b>Title of the Lecture delivered</b>		<b>Date</b>	<b>Participants</b>
1	Mr. Gautham Premkumar, Lead – Campus Recruitment , Infosys, Chennai	Cyber Crest 2022 Placements and Campus recruitment Opportunities		26.05.2022	60
<b>TYPE OF PROGRAMME: SEMINARS</b>					
<b>S.No.</b>	<b>Name of the Programme</b>	<b>Duration (From – To)</b>	<b>Details of Collaborating Agency</b>	<b>Details of Keynote Speakers</b>	<b>Details of Participants- Faculty &amp; Students</b>
1.	Introduction to Alibaba Cloud	02.04.2022	-	Mr. Ferdin Joe Joseph, Asst Prof, Thai Nichi Institute, Thailand	All UG and PG students (75)

2.	Algorithms and its Uses	03.06.2021	-	Mr. A. Daranivasan, Sr. Business Analyst, ADP Pvt. Ltd., Hyderabad	Faculties, Research Scholars, UG & PG students
3.	How to Write a Research Article?	05.06.2021	-	Dr. P. Kumaran, AP/ SRM University - AP	UG, PG, Ph.D (Internal and External)
4.	Career Opportunity & Skill Development Strategies	12.06.2021	-	Mr.S.Muthukumar, Technology Lead, Infosys Ltd.,Chennai	UG students
5.	Development With Environment	14.06.2021	-	Ms. Pallavi Rampati, Technical Consultant, Paul – Edu Technology and Management Services, Chennai	UG Students, 12 <sup>th</sup> standard students
6.	Self Motivation and Goal Setting	19.06.2021	-	Mr.Pankaj Kumar Sinha, Manager-HR, Ebixcash Technologies.	UG students ,Higher secondary school students
7.	App Development Awareness Program	25.06.2021	-	Mr. Mohammed Hussain, Developer-Swift Automation	Faculties, Research Scholars, UG & PG students
8.	Technology and Innovation	27.06.2021	-	Mr. Mohamed Aashik Rahman, Founder CEO-Propeller Technologies, Co-Founder- ZafiRobots	12 <sup>th</sup> standard students

**TYPE OF PROGRAMME: WORKSHOPS**

Name of the Programme	Duration (From –To)	Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants
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Artificial Intelligence and Machine Learning	04.06.2022	-	Mr. Sivaprasad, Founder and CEO, VistaConvert	All final year UG and 1st year PG
<b>TYPE OF PROGRAMME: GUEST LECTURES</b>				
<b>Name of the Programme</b>	<b>Duration (From –To)</b>	<b>Details of Collaborating Agency</b>	<b>Details of Keynote Speakers</b>	<b>Details of participants</b>
Block Chain Technology	08.12.2021	CSI	Mr.Arshad Sarfarzariff, Sr. Architect, Infosys, UK	CA department

➤ **Conferences / FDP / Seminars / Workshops Attended**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr. S. ShaharBanu	International Seminar on Data Science and Information Processing	Seminar	22.11.2021 24.11.2021	Department of Computer Science University of Kerala	-
2	Dr. Sudha Rajesh	Better Understanding of Nuances in NBA - SAR	Training programme	23.10.2021	BSACIST	-
3	Dr.S. Peer Mohammed Ziyath				BSACIST	-

4	Dr. Prasanna				BSACIST	-
5	Dr. Prasanna	Research Methodology	IEEE sponsored Workshop	02.06.2021-04.06.2021	AnnaiVailankanni College of Engineering	-
6	Dr. Sonia			02.06.2021-04.06.2021	AnnaiVailankanni College of Engineering	-
7	Dr. Sabin Begum	Better Understanding of Nuances in NBA - SAR	Training programme	23.10.21	BSACIST	-
8	Dr. S. ShaharBanu	Cyber Data Analytics	STTP	9.12.2021 20.12.2021	VET Institute of Arts and Science College, Erode	-
9	Dr. A.K. Reshmy	Data Science and Big Data Analytics	STTP	30.08.2021 - 04.09.2021	Indo Global College of Engineering, Abhipur,	-
10	Dr. A.K. Reshmy	Technology Insights on IoT, ML and Data Science	International FDP	18.08.2021 - 28.08.2021	SRM Easwari Engineering College	-
11	Dr. A.K. Reshmy	Emerging Trends in AI and Data Science across Business Domains	FDP	5.06.2021	Institute of Professional Experience and Management, Ghaziabad.	-
12	Dr. A.K. Reshmy	Effective Writing and Publishing of Research papers in SCI, Scopus, ABDC Indexed Journals	FDP	2.08.2021 – 16.08.2021	CT Institute of Engineering, Management and Technology	-
13	Ms.Sabaria	Intellectual Property Rights	FDP	14.06.2021-18.06.2021	The New college (Autonomous)	-
14	Ms.Sabaria	ATAL Perspectives of Blockchain Integrated with IoT: Challenges and Opportunities"	FDP	05.07.2021-09.07.2021	PSNA College of Engineering and Technology	-

15	Dr. Sudha Rajesh	Emerging Trends in Online Education	FDP	01.07.2021-14.07.2021	Trinity College for Women, Namakkal and in association with Egugroom India Foundation, Kochi, in collaboration with UGC-HR Development Centre, Haryana.	-
16	Dr. Sudha Rajesh	Research Perspectives on Data Science	FDP	28.06.2021 - 02.07.2021	Department of Information Technology, Sri Sairam Engineering College	-
17	Dr. Sudha Rajesh	Artificial Intelligence in Revolutionizing Healthcare	FDP	19.07.2021-23.07.2021	Sponsored by AICTE Training and Learning (ATAL) Academy at National Institute of Technology, Puducherry-Karaikal.	-
18	Dr.A.K. AshfaukAhamed	Publications in Scoups Indexed Journals	FDP	08.09.2021	Sree Narayana Guru College, Coimbatore	-
19	Dr.A.K. AshfaukAhamed	Digital Teaching Methods in Higher Education	FDP	23.08.2021-28.08.2021	Hindustan College of Arts and Science, Coimbatore	-
20	Dr.Prasanna	Recent Trends in Smart Computing	FDP	18.10.2021-22.10.2021	Vishwakarma Institute of Information Technology, Pune	-
21	Dr.Prasanna	Models and Tools to Advanced Electronic Teaching and Learning Program	FDP	31.08.2021-04.09.2021	Chennai National Arts and Science College	-
22	Dr.Prasanna	The Era of Change - Recent Advancements of Machine Learning in terms of AI & IOT	FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-
23	Dr.Sonia	The Era of Change - Recent Advancements of Machine Learning in terms of AI & IOT	FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-



24	Dr. Sabin Begum	The Era of Change - Recent Advancements of Machine Learning in terms of AI & IOT	FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-
25	Dr. S. ShaharBanu	International Colloquium on Business Management and Innovation ,July2021	FDP	28.7.2021	AJK College of Arts and Scince	-
26	Dr. Sowmya V.J.	Era of change- Recent advancement on machine learning and AI	FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-
27	Ms. T. Pandiyavathi		FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-
28	Dr. V. Shenbagapriya		FDP	12.07.2021-25.07.2021	SRM Institute of Science and Technology	-
29	Dr. Sudha Rajesh	Research: An Art of Scientific Investigation – Steps and Challenges”	Webinar	27.07.2021	organized by department of Computer Science, Christ college, Irinjalakuda	-
30	Dr. Sudha Rajesh	Trends In Stemem	Webinar	14.06.2021	Annai College of Arts and Science in Collaboration with Department of BCA & CS and IQAC	-
31	Dr. R. Sabin Begum	Exploring Kubernets	Webinar	11.03.2022	CDOE,B.S.Abdur Rahman Crescent Institute of Science and Technology	-
32	Dr. R. Sabin Begum	Research Perspectives on AI & ML	Webinar	22.04.2022	CDOE, BSRCIST	-
33	Dr. R. Sabin Begum	Improving Research writing using Grammarly Software	Webinar	02.06.2022	Office of Dean (Research), B.S. Abdur Rahman Crescent Institute of Science and Technology	-

34	Ms. S.P. Chitra Preetha	Evolution of Intelligent Systems	Webinar	11.05.2022	Office of Dean (Research), B.S. Abdur Rahman Crescent Institute of Science and Technology	-
35	Ms. S.P. Chitra Preetha	International colloquim on global digital epoch	Webinar	20.05.2022	DhanrajBAid Jain College	-
36	Ms. S.P. Chitra Preetha	Unravelling the Complexity of Decision Making Processes by Using Game Concepts to Support Game Design”	Webinar	24.06.2022	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore(India)	-
37	Ms. S.P. Chitra Preetha	Intellectual Property Awareness/Training program	Webinar	08.06.2022	Intellectual Property Office and MoE's Innovation Cell, India	-
38	Ms. S.P. Chitra Preetha	Subtle Manipulation in Games	Webinar	28.05.2022	Shri VaishnavVidyapeethVish wavidyalaya,	-
39	Ms. S.P. Chitra Preetha	Research Ethics and Quality Publications	Webinar	28.05.2022	Office of Dean (Research), B.S. Abdur Rahman Crescent Institute of Science and Technology	-
40	Dr. R. Shanthi	Unravelling the Complexity of Decision Making Processes by Using Game Concepts to Support Game Design	Webinar	24.06.2022	National Intellectual Property Awareness Mission”	-
41	Dr. R. Shanthi	Intellectual Property Awareness/Training program	Webinar	08.06.2022	Intellectual Property Office and MoE's Innovation Cell, India	-
42	Dr. R. Shanthi	Research Ethics and Quality Publications	Webinar	28.05.2022	Office of Dean (Research), B.S. Abdur Rahman Crescent Institute of Science and Technology	-

43	Dr. R. Shanthi	Advanced Emerging Technologies, Research and Practical Application	-	18.05.2022	Institute for Engineering Research and Publication	-
44	Dr. R. Shanthi	Evolution of Intelligent Systems	Webinar	11.05.2022.	Office of Dean (Research), B. S. Abdur Rahman Crescent Institute of Science and Technology	-
45	Mr. V. M. Niaz Ahamed	NPTEL "Ethical Hacking"	FDP	April 2022	NPTEL	-
46	Dr. V. Prasanna	Recent Trends and Challenges in AI, IoT and Blockchain	FDP	09.02.2022 18.02.2022	Department of Information Technology, Easwari Engineering College	-
47	Dr. V. Prasanna	Emerging Technology Trends in Disaster Management with Applications	FDP	23-05-2022 28-05-2022	Visual Computing Research Group, Dept. of Computing Technologies, SRMIST	-
48	Dr. V. Prasanna	Master Class on Machine Learning	FDP	01.10.2022 02.15.2022	PantechProlabs	-
49	Dr. V. Prasanna	Data Science Master Class	FDP	31.01.2022 04.03.2022	PantechProlabs	-
50	Dr. R. Sonia	Emerging Technology Trends in Disaster Management with Applications	FDP	23.05.2022 28.05.2022	Visual Computing Research Group, Dept. of Computing Technologies, SRMIST	-
51	Dr. R. Sonia	Master Class On Machine Learning	FDP	01.10.2022 02.15.2022	PantechProlabs	-
52	Dr. R. Sabin Begum	Microsoft Azure Data Fundamentals	FDP	28.03.2022 30.03.2022	ICT Academy	-
53	Ms. S.P. ChitraPreetha	Emerging Technology Trends in Disaster Management with Applications	FDP	23.05.2022 28.05.2022	Visual Computing Research Group, Dept. of Computing Technologies, SRMIST	-

54	Ms. S.P. ChitraPreetha	Advanced Latex	FDP	27.06.2022 29.06.2022	Department of Mathematics, School of Advanced Sciences (SAS) at Vellore Institute of Technology, Chennai.	-
55	Ms. S.P. Chitra Preetha	Inculcating Universal Human Values in Technical Education	FDP	6.06.2022 - 10.06.2022	All India Council for Technical Education (AICTE)	-
56	Ms. S.P. Chitra Preetha	Contemporary Computing Technologies	FDP	-	-	-
57	Dr. R. Shanthy	Emerging Technology Trends in Disaster Management with Applications	FDP	23.06.2022 - 28.06.2022	Visual Computing Research Group, Dept. of Computing Technologies, SRMIST	-
58	Dr. R. Shanthy	Advanced Latex	FDP	27.06.2022 - 29.06.2022	Department of Mathematics, School of Advanced Sciences (SAS) at Vellore Institute of Technology, Chennai.	-
59	Dr. R. Shanthy	Inculcating Universal Human Values in Technical Education	FDP	6.06.2022 - 10.06.2022	All India Council for Technical Education (AICTE)	-
60	Dr. R. Shanthy	Teaching and Learning in higher and professional Education – the challenges and opportunities	FDP	18.04.2022	Institute for Engineering research and publication	-
61	Dr. R. Shanthy	Leadership	FDP	01.06.2022	Crescent School of Business, BSACIST	-
62	Dr. I. Parvin Begum		FDP		Crescent School of Business, BSACIST	-
63	Dr. V. Prasanna	NPTTEL - E-Awareness workshop	Workshop	17.05.2022	SwayamNptel Local Chapter, IIT Madras	-
64	Dr. R. Sabin Begum	Artificial Intelligence and Next generation of cyber Security	Workshop	25.02.2022 - 26.02.2022	Karpagam College of Engineering	-

65	Ms. S.P. Chitra Preetha	NPTEL - E-Awareness workshop	Workshop	17.05.2022	SwayamNptel Local Chapter, IIT Madras	-
66	Dr. I. Parvin Begum		Workshop		SwayamNptel Local Chapter, IIT Madras	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2020-June 2021)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	13	3	-	-	26	7	49

**1. Details of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**a) SCI/Scopus Indexed Journal**

1. Padmavathy, P., S. Pakkir Mohideen, and Zameer Gulzar. "PMI-based Polarity Computation for SVM-NN-Based Sentiment Classification from User-Generated Reviews." International Journal of Intelligent Unmanned Systems (2021). Vol. 10 No. 1, Page no. 179-199. Jan 2022. ISSN: 2049-6427,
2. Waheed, Shaikh Abdul, and P. Sheik Abdul Khader. "Healthcare Solutions for Children Who Stutter Through the Structural Equation Modeling and Predictive Modeling by Utilizing Historical Data of Stuttering." SAGE Open 11.4 (2021): Vol:11, Issue: 4. Page no. 1-23. Dec 2021 doi.org/10.1177/21582440211058195.
3. Dr. P. Sheik Abdul Khader Feature Extraction from Behavioral Styles of Children for Prediction of Severity of Stuttering Using Historical Stuttering, International Journal of Speech Technology. Springer. Vol.1 Issue 2 Page no. 1-13, Oct 2021. ISSN-1572-8110.

4. Dr. P. Sheik Abdul Khader, Forecasting Water Level of Glacial Fed Perennial River using a Genetically Optimized Hybrid Machine Learning Model. *Materials Today: Proceedings*, Elsevier. Vol. 46, Part 20, Issue 5. Page no. 11113-11119.2021. <https://doi.org/10.1016/j.matpr.2021.02.256>.
5. Dr. Abdul Azeez Khan. A, Dr. Javubar sathick, A Novel Framework Using Zero Shot Learning Technique for a Non-Factoid Question Answering System, *International Journal of Web-Based Learning and Teaching Technologies*, IGI-Global. Vol.16 Issue 6 Dec 2021. ISSN - 1548-1107.
6. A Salman Ayaz, A Jaya, Multi-kernel Learning-based Recommender System using Adaptive neNro-fuzzy Inference System, *International Journal of Intelligent Enterprise Inderscience*, 28 Jul 2021, DOI: 10.1504/IJIE.2021.117988.
7. Dr. Zameer Gulzar “Understanding Impact of Communication Ban on Mental Health in Conflict Zone: Experiences from Young Kashmiri Research Scholars. *Journal of Loss and Trauma*, Vol.27, 2022. DOI: 10.1080/15325024.2021.1928841.
8. Dr. A.K. Ashfauk Ahamed, Smart ATM Transactions with Advanced Level Security using OTP Technique, *Indian Journal of Natural Sciences (IJONS)* Volume 12, Issue 67, Pg. no 33365-33371. ISSN: 0976-0997.
9. Sudha Rajesh and Chandrasekar A, Evaluation of Quality Attributes of Software Design Patterns Using Association Rules(Scopus). *International Journal of Advanced Intelligence Paradigms*. Inderscience. ISSN (O): 1755-0394, ISSN (P): 1755-0386, DOI:10.1504/IJAIP.2021. 10016333, Vol. 19, Nos. 3/4, July 2021.
10. Dr. Sudha Rajesh, CAD based Automatic Detection of Tuberculosis in Chest Radiography using Hybrid Method, *International Journal of Engineering Systems Modelling*, Inderscience. pp: 239-245, DOI: 10.1504/IJESMS.2 022.10044924, ISSN: 1755-9766
11. Sudha Rajesh, A Comparative Study on Face Mask Detection Using Artificial Neural Network Techniques (UGC), *International Journal of Analytical and Experimental Modal Analysis*. Vol. 12, Issue 7, pp:294-297. July 2021. ISSN: 0886-9367.
12. Dr. Sudha Rajesh, Flight Delays Prediction Using Supervised Learning Algorithm, *Journal of Applied Information Science*. Vol. 10, Issue 1, pp: 55-59, Jan 2022 ISSN :2321-6115.

13. Dr. A Jaya, “Comparative Study of Machine Learning Algorithms towards Predictive Analytics”, Recent advances in Computer Science & Communications Benthem science, Vol. 16, June 2022.
14. Dr. N Ayyanathan, “A systematic Review of Big Data in Energy Analytics using Energy Computing Techniques”, Concurrency and computer Practice and Experience, John wiley & sons, Inc. Vol 34, Issue 4 Feb 2022.
15. Dr. S. Shahar Banu, “Dynamic Data Replication Strategy that Simultaneously Satisfies Collaborative Learners Service Level Objective with Increased System Availability in Cloud Computing Environment”, Journal of Neuroquantology, Vol 20, issue 6, June 2022. Scopus Indexed.
16. Dr Mohamed Divan Masood, “Phytochemical and Molecular Docking Studies on Indigenous Herbs Glycyrrhiza glabra, Terminalia chebula and Hamdard joshanda”, International Journal of Pharmaceutical Investigation, March 2022; 12(1): 7-14. Scopus Indexed.
17. M Mohamed Divan Masood, incorporating artificial bee colony optimization in gene based ranking system in microarray data. Int J Appl Res 2022;8(7):515-522
18. Mrs. S. Sabaria, Dr. SudhaRajesh, Dr. A.K. Reshmy, Dr. B. Dhanalakshmi, Dr. R. Dharani, “An Analysis of Segmentation Methods for CT Scans Images in the Diagnostic of Lung Cancer”, Jundishapur Journal of Microbiology, Vol.15, April 2022.
19. Dr. Deepika. M, “Development of Smart Grid using Machine Learning Methods for Smart Cities”, Rabindra Bharati Journal of Philosophy, Vol: XXIII, No: 20, Sep 2022, ISSN: 0973-0087.
20. Masood, MMD, Arunarani, AR, Manjula, D & Sugumaran, V, ‘An Efficient Algorithm for Identifying (l, d) Motif from Huge DNA Datasets’, Journal of Ambient Intelligence and Humanized Computing - (Springer) (2020), <https://doi.org/10.1007/s12652-020-02013-0>
21. Shareef, THMA. and Masood, MD. 2022. Phytochemical and Molecular Docking Studies on Indigenous Herbs Glycyrrhiza glabra, Terminalia chebula and Hamdard joshanda. International Journal of Pharmaceutical Investigation. 12, 1 (Mar. 2022), 07-14. DOI: <https://doi.org/10.5530/ijpi.2022.1.2>.

22. Uma Maheshwari and Sonia R, “Novel Machine Learning for Human Actions Classification Using Histogram of Oriented Gradients and Sparse Representation”. Information Technology and control 2021. Online ISSN: 2335-884X (Web of Science)
23. Sonia R et al. “Medical Information System for classification of Diabetes mellitus Using Layered Neural Network 2021, Journal of Control Engineering and Applied Informatics. ISSN 1454-8658 (SCI) Impact factor 0.973
24. Rajakumar and Sonia R et al. Tuberculosis Detection in Chest X-ray using Mayfly-algorithm Optimized Dual-deep-learning Features (Web of Science) Journal of X-ray science and Technology Oct 2021 Impact factor 1.535 DOI: 10.3233/XST-210976
25. M Mohamed Divan Masood, TH Mohamed Ahadu Shareef, Kavipriya, V & D Manjula. Incorporating Artificial Bee Colony Optimization in Gene Based Ranking System in Microarray Data. Int J Appl Res 2022;8(7):515-522. DOI: 10.22271/allresearch.2022.v8.i7e.10010.
26. VM, M., & Niaz Ahamed, D. B. (2022). A survey, Performance Analysis of ISR, TASR, VBRP Geographical Routing Protocol for Vehicular Ad-Hoc Networks. Specialusis Ugdymas, 1(43), 6453-6465.

### **Other Journals**

1. P. Amudhavalli, J.N Digital Crime Reporting System by Using PHP. Journal of Applied Information Science. Vol. 10, Issue 1, pp: 44-49, Jan 2022 ISSN: 2321-6115.
2. Sudha Rajesh, Short-Term Rainfall Using Logistic Regression Algorithm, Journal of Applied Information Science. Vol. 10, Issue 1, Jan 2022 ISSN: 2321-6115.
3. Dr Sudha Rajesh, Breast Cancer Detection by Using Supervised Learning Algorithm , Journal of Applied Information Science. Vol. 10, Issue 1, pp: 29-33, Jan 2022 ISSN: 2321-6115.
4. Dr Sudha Rajesh, Prediction of Air Pollution Using Supervised Machine Learning, Journal of Applied Information Science. Vol. 10, Issue 1, pp: 10-16, Jan 2022. ISSN: 2321-6115.
5. Peer Mohamed Ziyath, “A Review of Security Vulnerabilities in Internet of Things (IoT) Devices” published in International journal of scientific research in Engineering and Management. Vol: 5, Issue: 10, Oct 2021.



6. Peer Mohamed Ziyath, "Wifi Enabled Home Automation Using ESP8266" published in International journal of Computer Science. Vol: 9, Issue: 10, pp:2586-2590. Oct 2021.
7. Peer Mohamed Ziyath, "Home Automation Using IOT by MQTT Protocol with Power Consumption Monitoring for Better Budgeting" International Journal of Research Publication and Reviews. Vol:2, issue :10 2021.

**International Conference & National Conference:  
Conference with ISBN Proceedings**

1. Dr. S, Pakkir Mohideen, "AIE-DRP: Framework with Machine Learning and Deep Learning- Models for Adverse Drug Reaction Prediction in Healthcare Use Case.", 8th International Conference on Advanced Computing and Communication Systems(ICACCS), 25-26 March 2022, ISBN: 978-1-6654- 3258-0.
2. Ahmed, Y. Nasir, and S. Pakkir Mohideen. "Workload Characteristics in Cloud Data Centers: A Computational Study from Alibaba Cloud." 2021 International Conference on Information Science and Communications Technologies (ICISCT), 3-5 November 2021. ISBN:978-1-6654-3258-0.
3. Dr. Sudha Rajesh, Ganesh. K, Manoj, Dynamic Hand Gesture Using Machine Learning Technique, Virtual International Conference on Recent Emerging Science, Engineering & Advanced Research in Communication and Healthcare, pp: 321-325, June 2021. ISBN 978-93-5473-898-2.
4. Dr. N Ayyanathan, Geographical Mapping and Data Visualization of Rural Electrification Demand Planning of Power System Distribution Network in Tamilnadu 2) Empirical study and the impact of health consciousness among the consumers of Indian Green Coffee in", XLV Indian Social Science Congress, XLV Indian Social Science Congress Conference on Impact of Innovation in Science and Technology for Societal Development, 28th March – 01st April 2022. ISBN:978-93-83879-27-6
5. Ms.R. Sivakani, Dr. M. Syed Masood, B.S. Abdur Rahman Crescent Institute of Science and Technology, presented a paper titled "Retinal Image in Early Prediction of Alzheimer's Disease Using Deep Learning Technique", International Conference on Advances in Data Science Challenges with Big Data Analysis (ICADSC 2022), organized by SRM Institute of Science and

Technology, Department of Computer Applications and Department of Computer Science, held during February 16 – 17, 2022.

6. S Peer Mohamed Ziyath, MNEORS - Novel Efficient and Optimal Resource Scheduling Technique for Cloud Infrastructure Services Third International Conference On Internet of Things, 2022, Springer.
7. Dr. S. Shahar Banu, Transforming the Smart Commercial Building held from Mar 28 th – Apr 01st ,2022 at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, XLV Indian Social Science Congress Conference on Impact of Innovation in Science and Technology for Societal Development. 28th March – 01st April 2022. ISBN 978-93-83879-27-6.
8. A.K. Ashfauk Ahamed, “Reflection Removal from Images Using Deep Neural Networks”, XLV Indian Social Science Congress Conference on Impact of Innovation in Science and Technology for Societal Development. 28th March – 01st April 2022, ISBN:978-93-83879-27-6
9. Md Oqail Ahmad, “IoT Devices for Detecting and Machine Learning for Predicting COVID-19 Outbreak” , Recent Trends in Communication and Intelligent Systems pp 107–114 ,25 May 2022. ISBN:978-981-19-1324-2.
10. Md Oqail Ahmad, "Healthcare IoT Framework for Disease Prediction and Health Monitoring in Mobile Environment," 2021 4th International Conference on Recent Trends in Computer Science and Technology (ICRTCST), pp. 395-400, May 2022.
11. Sudha Rajesh, Sri Ram S, Syed Afthab Ahamed A, “Authentication in UPI Using Face Recognition”, 2 Days International Conference on Data Science & Information Ecosystem, June 2021.
12. Deepika. M and D. Karthika,” A Study of Emerging IoT Technologies for Handling Pandemic Challenges”, Information and Communication Technology for Competitive Strategies, vol 400. Springer, Singapore 23 June 2022.ISBN - 978-981-19-0095-2.
13. Mr. Saravanan, Dr. A.K. Ashfauk Ahamed, “Reflection Removal from Images Using Deep Neural Networks” XLV Indian Social Science Congress Conference on Impact of Innovation in Science & Technology for Societal Development , Reg No :RA0915 Mar28th - April 1st,2022, ISBN 978-93-83879-27-6
14. Deepika. M “A Study of Emerging IoT Technologies for Handling Pandemic Challenges”, Information and Communication Technology for Competitive Strategies, vol 400. Springer, Singapore 23 June 2022.ISBN - 978-981-19-009

15. I.Parvin Begum, “A Complete study on Cloud Computing Pattern International E-Conference on Scientific Research in Multidisciplinary Approach” (ICSRMA-2022) organized by SRM Arts and Science College” 14th July 2022
16. R. Shanthi, “A Novel based approach to detect drowsiness driving” International E-Conference on Scientific Research in Multidisciplinary Approach” (ICSRMA-2022) organized by SRM Arts and Science College” presented and won best paper award and cash prize on 14th July 2022.

➤ **Details of Impact Factor of the Publication and H-Index**

A) Range: **0.5 to 13.47** B) Average: **743** C) H- Index: **13** D) No. In Scopus: **11**

➤ **Books Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & Country	Availability Status
			Rs	\$/£		
1	Dr. Jaya	Semantic Web for Effective Healthcare - Ontology-Based System for Patient Monitoring	-	-	Wiley Online Library	Yes
		Intelligent Health Care Analytics – Knowledge Engineering with Big Data	15,259	-	Wiley	Yes
		Machine Learning Approach for Cloud Data Analytics in IoT - Prediction of the Stock Market Using Machine Learning–Based Data Analytics.	-	225	Wiley-Scrivener	Yes
2	Dr. N. Ayyanathan Dr. Gufran Ahmed Ansari	Big Data Analytics for Business Intelligence Descriptive Case Studies on Smart Tourism in India	550	-	Shanlax Publications	Yes

3.	Dr. Sudha Rajesh	Prediction and Analysis for Knowledge Representation and Machine Learning	-	-	Taylor and Francis Group, London	Yes
4.	Dr. R. Sonia	Data Science using Python	690	-	Scientific International Publishing house	Yes

➤ **Patents (Obtained / Applied)**

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filing	Publishing	Granted	
1.	Development of new clone cloud framework and adaptive scheduling design for efficient offloading in vehicular clouds	-	✓	-	No
2.	Indoor Temperature Forecasting In Smart Bulidings Using Machine Learning Algorithms	-	✓	-	No
3.	Future Innovation Education Based on Multiple Intelligence with Artificial Intelligence Technology	-	✓	-	No
4.	An Object Detection method and system for piled objects using a hybrid convolutional neural network	-	✓	-	No

➤ **Achievements of Staff**

S.No	Name of the Faculty/ Non-teaching Staff	Type of Recognition/Award achieved	Details of Awarding Organization	Month & Year
1.	Dr. R. Sonia	Best Innovative Teacher	Novel Research Academy	April, 2022

➤ **Achievements of Students**

<b>S.No</b>	<b>Name of the Student</b>	<b>Type of Recognition/Award achieved</b>	<b>Details of Awarding Organization</b>	<b>Month &amp; Year</b>
1	Mr. Abdul Kareem	Quiz on C programming	Gandhi Academy of Technical Education	24.08.2021
2	Mr. Gokulram M	Data Analyst course	SIMPLILEARN	2021
3	Mr. Ahmed Shah J	Java Full Stack Developer	Harris Infotech	2022
4	Mr. Syed Mohamed Arshad J	Awarded as Silambam Head	BSACIST	2022
5	Ms. Divya U	Workshop	Microsoft Azure	16.09.2021
6	Ms. Gayathri S	Workshop	Microsoft Azure	16.09.2021
7	Mr. Jaffar Ali	Presented a Paper	Bharath University	08.09.2021
8	Mr. Mohinder V	Attended Symposium and participated in Quiz	Bharath University	09.09.2021
9	Mr. Saiful Islam	Attended Symposium and participated in Gaming conducted	Bharath University	09.09.2021
10	Mr. Vijay V	Smart Training – Webinar	BSACIST	August, 2021
11	Mr. S.Mohamed Akram	Ethical Hacking	Online	14.08.2021
12	Ms. Nafesha	RDBMS PostgreSQL Training	Spoken Tutorial Project at IIT Bombay	August, 2021

13	Ms. Nafesha	Python Training	Spoken Tutorial Project at IIT Bombay	August, 2021
14	Mr. Gokul. R	Quiz R Programing	Spoken tutorial	09.02.2021
15	Ms. Latheefa	Aws Solutions Architect	Fita academy, Anna Nagar, Chennai.	27.11.2001
16	M.Divyalakshmi	Art, Two Prizes in Art Field	Online	31.05.2021
17	Ms. Gunapriya.S	Online Course in Udmey, Digital Marketing	Udmey	04.08.2021
18	Mr. Anthony Siluvai Wins. P	Awarded with "Star of Rotaract" for the year 2020 – 2021	BSACIST	27.06.2021
19	Mr. Aashik S R	3rd place in Coder's Chemistry	Chennai Institute of Technology	August, 2022
20	Mr. Aashik S R	1st place in Eatathon	BSACIST	September, 2022
21	Mr. Yuvaraj A	Athletics open district	TN Government	July, 2022
22	Mr. Manimaran R	State Basketball	TN Government	August, 2022
23	Mr. Yogeswaran	Enduro Stamina '222 km	Chennai Cyclists (WCCG)	August, 2022
24	Mr. Yogeswaran	Aatral Cyclathon	All India Martial Arts and Sports Federation	July, 2022
25	Mr. Sai Sanjogh	Badminton tournament Runner Up	Sports India	August, 2022
26	Mr. Aashik S R	Scavenger Hunt	SRM - SIMS	July, 2022

➤ **Developmental Activities**

S.No	Details of development activity	Duration	Details of Faculty and Student participation	Objective	Outcome
<b>Students</b>					
1	Big Data Analytics	31.05.2021	MCA Students	Helpful for job oppurtunities	More than 70 students participated
2	Fundamentals of Big Data & Hadoop	29.05.2021	UG/PG Students	Carrier growth	More than 80 students participated
3	Artificial Intelligence and Machine Learning	04.06.2022	All final year UG and 1st year PG	Carrier growth	76 students participated
4	Introduction to Alibaba Cloud	02.04.2022	All UG and PG students	Helpful for Job	All students participated
<b>Faculty</b>					
1	Technology – The New Architect of World”	31.05.2021	All faculties	-	-
2	App Development Awareness Program	25.06.2021	All faculties	-	-
3	Inauguration of Society activities of Computer Application Association & Computer Society of India	08.12.2021	All faculties	-	-
4	Cyber Crest 2022	26.05.2022	All faculties	-	-

➤ **Industry / Institute Collaboration**

S.No	Name & Address of Industry	Type of Collaboration	Month & Year	Status		Outcome
				Ongoing	Completed	
1.	Dr. Haja Alaudeen & Virtusa	Training	November, 2021	Completed		Faculty certified trainer
2.	Dr. Mohamed Divan Masood & CresBot	Startup	April, 2020	Ongoing		Robo product



## DEPARTMENT OF MATHEMATICS & ACTUARIAL SCIENCES

### ➤ Conferences / FDP / Seminars / Workshops Organized by the Department

S. No	Name of the Programme	Type of Programme	Duration (From-To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	ACTANT	Symposium	23.06.2022	Registration Free	Dr. K. Prabakaran, Specialist, General Insurance Ombudsman Office, Chennai	20	40	0	105
2	45th Indian Social Science Congress	Conference	30.04.2022	Registration Free	-	-	13	-	1
3	Career Development in Actuarial Science	Webinar	19.03.2022	Registration Free	Mr. Ajay Shekhar, FIAI, Vice President (Operations) IDEAL Fastener India Pvt Ltd	20	45	0	30
4.	Mathematical Application in Data Science	Webinar	31.01.2022	Registration Free	Dr. K. R. R. Gandhi, Adjunct Professor, Management Development Institute, Murshidabad	20	45	-	-

➤ **Conferences / FDP / Seminars / Workshops Attended by Faculty**

S.No	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship: Amount received from BSACIST/Others (Rs)
1	Dr. T. R Ramesh Rao	System Modeling and Artificial Intelligence	International workshop	26.07.2021-30.07.2021	Manipal University	Self
2	Dr. T. R Ramesh Rao	Mathematical Application in Data science	Webinar	31.01.2022	BSACIST	Online mode- no registration fees
3	Dr. T. R Ramesh Rao	Scientific Application Packages for State of The Art Technical Computing	FDP	14.03.2022 - 18.03.2022	Presidency University	Online mode- no registration fees
4	Dr. T. R Ramesh Rao	Numerical Linear Algebra in Applications to Data Science	FDP	7.03.2022-12.03.2022	Indian Institute of Information	-
5	Dr. T. R Ramesh Rao	Fractional derivatives: Theory and Applications	FDP	12.11.2021-14.11.2021	IIT, Varanasi	Online mode-self
6	Mr. J. Ravinder	Mathematical Application	Webinar	31.01.2022	BSACIST	Online mode- no registration fees
7	Mr. J. Ravinder	Mathematics and its Applications in Science and Engineering	FDP	27.09.2021 – 01.10. 2021	Faculty Development Centre Shri MataVaishno Devi University, J&K	Online mode- no registration fees
8	Dr. Syed Siddiqua Begum	National Level Virtual FDP on Graph Theory	FDP	29.06.2021 - 03.07.2021	Christ College of Science & Management	Online mode- no registration fees

9	Dr. R. Shenbagam	Mathematical Modelling and its Application	Webinar	25.08.2022	CMR Institute of Technology, Bengaluru	Online mode- no registration fees
10	Dr. R. Shenbagam	Dominations in Graphs	Webinar	18.08.2022	PG and Research Department of Mathematics, C. Abdul Hakeem college (autonomous) Maetrisharam, 632 509.	Online mode- no registration fees
11	Dr. R. Shenbagam	Mathematical Applications in Data Science	Webinar	31.01.2022	BSACIST	Online mode- no registration fees
12	Dr. R. Shenbagam	Intelligent Optimization Techniques and Their Real Life Applications	International Webinar	25.2.2022 - 27.2.2022	Department of Mathematics, Punjabi University, Patiala, India.	Online mode- no registration fees
13	Dr. R. Shenbagam	Introduction to Stochastic Processes	FDP	January -April ,2022	NPTEL	Online mode- Self
14	Dr. A. Sagaya Suganya	Refresher Course on Managing Online Classes & Co-creating MOOCS 12.0	Refresher Course	07.03.2022 - 21.03.2022	Teaching Learning Centre, Ramanujan College, University of Delhi	Online Mode - Self
15	Dr. A. Sagaya Suganya	Mathematical Applications in Data Science	Webinar	31.01.2022.	Department of Mathematics & Actuarial Science, B. S. Abdur Rahman Crescent Institute of Science & Technology	Online mode- no registration fees
16	Dr. A. Sagaya Suganya	workshop on E content Preparation for Online learning	Workshop	07.10.2021	The Centre for Distance and Online Education (CDOE)	Online mode- no registration fees

17	Dr. Sindhu J Kumaar	Contemporary Researches in Engineering, Science, Management and Arts	International Conference	27.10.2022 - 29.10.2022	Research and Training (CRT) of National Foundation for Entrepreneurship Development (NFED), Coimbatore	Online mode- no registration fees
18	Dr. Sindhu J Kumaar	Mathematical Applications in Data Science	Webinar	31.01.2022.	Department of Mathematics & Actuarial Science, B. S. Abdur Rahman Crescent Institute of Science & Technology	Online mode- no registration fees
19	Dr. Sindhu J Kumaar	Techniques of Matrix in Cryptography	XLV Indian Social Science Congress	30.03.2022	Department of Mathematics & Actuarial Science, B. S. Abdur Rahman Crescent Institute of Science & Technology	Offline mode, self
20	Dr. A. Bernick Raj	International Conference on Computational and Applicable Mathematics (ICCAM – 2022)	International Conference	3.03.2022 - 4.03.2022	Department of Mathematics, The Quaide Milleth College for Men, Medavakkam, Chennai	Offline Mode - Self
21	Dr. A. Bernick Raj	3rd International Conference on Mathematical Techniques and Applications	International Conference	23.03.2022 - 25.03.2022	Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur	Online Mode - Self
22	Dr. A. Bernick Raj	Mathematical and Statistical Sciences, 45th Indian Social Science Congress (ISSC)	National	28.03.2022 - 01.04.2022	B. S. Abdur Rahman Institute of Science and Technology	Offline Mode - Self

23	Dr. C. D. Nandakumar	Mathematical and Statistical Sciences, 45th Indian Social Science Congress (ISSC)	National	28.03.2022 - 01.04.2022	B. S. Abdur Rahman Institute of Science and Technology	Offline Mode - Self
24	Dr. C. D. Nandakumar	Lecture Seires : Contemporary Issues in Sustainable Supply Chain Management - Modeling and Optimizatin	Webinar	11.11.2022	ORSI, Meerut Chapter	Online Mode - Self
25	Dr. C. D. Nandakumar	Understanding Research Metrics for Quality Research	Webinar	02.11.2022	B. S. Abdur Rahman Institute of Science and Technology	Online Mode - Self

➤ **Papers Published/ Presented in Journals & Conferences (July 2021- June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
0	0	0	0	0	0	14	3	17

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**b) SCI/Scopus Indexed Journal**

1. S. Sindhuja, P. Arathi and Varun Mohan, "A Quadratic demand EOQ model for deteriorating items with time dependent shortages", I.J of mathematics in Operational Research, vol. 20, no. 1, 2021, pp, 41-59.
2. Divya, A., Sheik Uduman, P.S., Analyzing the major reasons for smoking & obesity using induced fuzzy cognitive maps (IFCMS)" "BULLETIN MONUMENTAL (Web of Science)" 22 8 274-283 2021 Impact Factor 0.107

- 3 Divya, A., Sheik Uduman, P.S., A Novel Fuzzy Arbitrary Order Predator- Prey Model "Bulletin Monumental Journal (Web of Science)" 22 7 47-52 2021 Impact Factor 0.107
- 4 Virender Singh Panwar and Sheik Uduman, P.S., Mathematical modeling of coronavirus disease COVID-19 dynamics using CF and ABC non-singular fractional derivatives "Chaos Solitons Fractals " 145 01-13 2021 Impact Factor 5.91 SNIP 1.753
- 5 Y. Sarada and R. Shenbagam, "Optimization of a repairable deteriorating system subject to random threshold failure using preventive repair and stochastic lead time" Reliability Engineering & System Safety 25 107229 2021 Impact Factor 7.247 SNIP 2.468
- 6 Joice Punitha M, Sagaya Suganya A, 2 Pebbling Property of Buttery. Derived Graphs, International Journal of Dynamical System and Differential Equations. International Journal of Dynamical System and Differential Equations 11 5-6 pp 556 – 578 2021
- 7 Jeyanthi, M.V., Sheik Uduman, P.S., Solving Nonlinear Inventory Model for Deteriorating Items using Fractional Differential Method Journal of Environmental Accounting and Management (Web of Science) 10 33-38 2022 1 1.02
- 8 S. Sindhuja and P. Arathi, "An EOQ model for Pareto distribution deterioration with linear demand under linearly time dependant shortages", European J, Industrial engineering, vol.16, no.4, 2022, pp. 418-442.
- 9 Y Sarada, R. Shenbagam "Approximations of availability function using phase type distribution", *OPSEARCH*, DOI:<https://doi.org/10.1007/s12597-021-00560-2>, Jan 2022.
- 10 Shameem Banu and Sheik Uduman, P.S., Disparate synchronization phenomena in diffusively coupled SC-CNN-based MLCV circuits: analytical, numerical and experimental International Journal of Nonlinear Dynamics and Control 2 2 116-132 2022
- 11 Aadil Rashid Sheergojri, Pervaiz Iqbal and Ashiq Mohd Ilyas, Cancer Growth Inhibition Using Predictive Mathematical Models of Signaling Pathways, International Journal of Statistics in Medical Research, Volume 10, pp 132-135, 2021
- 12 Varun Mohan, Uttam Kumar Sharma, Pervaiz Iqbal and Praveen Kumar, Economic Order Quantity Model with Exponential Demand Rate with Carbon Emission, *Webology*, Vol. 18, 6, pp 4053-4063, 2021
- 13 Rubeena Khaliq, Pervaiz Iqbal, Shahid Ahmad Bhat and Aadil Rashid Sheergojri, A Fuzzy Mathematical Model for Tumor Growth Pattern Using Generalized Hukuhara Derivative and its Numerical Analysis, *Applied Soft Computing*, 118 C, pp 1-19 2022

- 14 Aadil Rashid Sheergojri, Pervaiz Iqbal, Praveen Agarwal and Necati Ozdemir, “Uncertainty-Based Gompertz Growth Model for Tumor Population and its Numerical Analysis, An International Journal of Optimization and Control: Theories & Applications, vol. 12, 2, pp 137-150, 2022

### Other Journals

1. D Hebsiba Beula, S. Srinivasan, C.D. Nanda Kumar, Crop Insurance Prediction using R for Pradhan Mantri Fasal Bima Yojana in Tamil Nadu, International Journal of Risk and Contingency Management, Vol. 10, Issue 04, 46 – 53, 2021
2. K. Kapil Raj, S. Srinivasan, C.D. Nanda Kumar, Impacts of Crossover Risk in Reverse Mortgage Loans for Senior Citizens, International Journal of YMER, Volume 20, Issue 12, 2021.
3. H. Shameem Banua, P.S. Sheik Uduman J. Mountain Res. A Numerical and Analytical Study of Phase Synchronization in Coupled SC-CNN Based Non-Identical Chaotic Systems P-ISSN: 0974-3030, E-ISSN: 2582-5011 DOI: [https://doi.org/10.51220/jmr.Voll.16\(2\)SpecialIssueICRAMS-2021,\(2021\),265-277,November,2021](https://doi.org/10.51220/jmr.Voll.16(2)SpecialIssueICRAMS-2021,(2021),265-277,November,2021)

### ➤ Book(s) Published: 2

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability Status
			Rs	\$		
1.	Dr. Pervaiz Iqbal	Mathematical Approach in Colitis-Related Colon Cancer Genomics: Inflammatory Bowel Disease (IBD)	-	-	IGI Global, USA, December 2021	-
2.	Dr. Pervaiz Iqbal	Colorectal Cancer: Natural Products as a Treatment	-	-	IGI Global, USA, May 2022	-

### ➤ Details of Impact Factor of the Publication and H-Index of the department

A) Range      B) Average: 2.214      C) H-Index: 14 (Scopus)      D) No. In Scopus: 14

➤ **Achievements of Faculty & Non Teaching Staff**

S.No	Name of the Faculty/ non teaching Staff	Type of Recognition/ Award	Details of Awarding Organization	Month & Year
1	Dr. Mahadev Ota	NPTEL	-	March, 2022
2	Dr. R. Shenbagam	NPTEL	Introduction to Stochastic processes (12 week course)	April, 2022
3	Dr. R. Shenbagam	Reviewer	Part O: Journal of Risk and Reliability (SAGE publisher), Impact factor 2.02.	November, 2021
4	Dr. Syed Siddiqua Begum	Comprehensive Training Policy for Technical Teachers	NITTTR (AICTE)	February, 2022
5	Dr. P. S. Sheik Uduman	Appreciation from the journal for Innovative research Work	Elsevier	January, 2022
6	Dr. Pervaiz Iqbal	Reviewer	Journal of Advanced Nursing	May, 2022

➤ **Achievements of Students**

S.No	Name of the Student	RRN	Type of Recognition/ Award Achieved	Details of Awarding Organization	Month & Year
1	Ms.Nancy Sowmiya P	210502601011	NPTEL	Organizational Behavior	2022
2	Ms.Pavithra C	210502601015	NPTEL	Organizational Behavior	2022
3	Mr. Manoj G	210502601010	Professional Actuarial Exam	IFOA (CS1 and CB2)	2022



4	Wagh Hritik Pawansingh	210502601026	Professional Actuarial Exam	IFOA (CM1)	2022
5	Patil Rohit Chandrakant	210502601013	Professional Actuarial Exam	IFOA (CM1 and CB2)	2022

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the Student & Programme	RRN	Name of the Course & Credit	Duration	Grade Obtained	Month & Year of Credit Transfer
1	Mr. J. Leo, Ph.D	180893704001	Data Analysis and Decision Making – II & 3	12 Weeks	D	26.04.2022
2	Ms. D. Hebsiba Beula, Ph.D	180893704003	Data Analysis and Decision Making – II & 3	12 Weeks	D	
3	Ms .S. Baby Latha, Ph.D	180893704004	Data Analysis and Decision Making – II & 3	12 Weeks	E	
4	Ms. P. Nithya, Ph.D	180893704005	Data Analysis and Decision Making – II & 3	12 Weeks	E	
5	Mr. K. Kapil Raj, Ph.D	190893704001	Regression Analysis & 3	12 Weeks	C	
6	Mr. J. A. S. Surendran, Ph.D	180893704002	Regression Analysis & 3	12 Weeks	E	

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of Development Activity	Duration	Details of Faculty and Student participation	Objective	Outcome
1	National Level Technical Symposium ACTANT	23.05.2022	Nearly 105 Students from other college participated	Promote Awareness about the course and make the students involve in extension activities	Overall upliftment was observed from student's side

➤ Any other academic relevant information:

- A talk was given by Dr. P. S Sheik Uduman entitled “Predicting the heart attack in fractional order by fuzzy arbitrary order predator-prey model” in Bishop Heber College, Tiruchy on 18.03.2022



## **SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING**

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### ➤ Value Added Programmes Started

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Moodle Learning Management System	January - July 2022	45	IIT Bombay	22 (B. Tech-EEE) IV Year)	-	-
2	Moodle Learning Management System	January - July 2022	45	IIT Bombay	43 (B. Tech-EEE- III Year)	-	-
3	Scilab	January - July 2022	45	IIT Bombay	33 (B. Tech-EEE) II Year)	-	-
4	LaTeX	January - July 2022	45	IIT Bombay	4 (M. Tech-EEE- II Year)	-	-
5	LaTeX	October 2021 - December 2021	45	IIT Bombay	22 (B. Tech-EEE-Part time) IV Year)	-	-
6	LaTeX	October 2021 - December 2021	45	IIT Bombay	24 (B.Tech-EEE) IV Year	-	-

7	LaTeX	October 2021 - December 2021	45	IIT Bombay	43 (B. Tech-EEE-Part time) III Year)	-	-
8	Python	October 2021 - December 2021	45	IIT Bombay	33 (B. Tech-EEE) II Year)	-	-

➤ **Conferences / FDP / Seminars / Workshops Organized (JULY 2021 - JUNE 2022)**

S.No	Name of the Programme	Type of the Programme	Duration (From – To)	Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Students	Faculty
1.	SEEE	Society inauguration	28.10.2021	-	Mr. S. R. Nandha Kishore Manager, Global Siting MED Latin America, Vestas Technology R&D, Chennai	10	80	-	-
2.	Opportunity for Electrical and Electronics Engineers	Career guidance	12.10.2021	Education Matters	Mr.Pabba Ramesh Motivation speaker (Career Guidance) ACE Engineering Academy, Chennai	-	80	-	-

3.	Career Guidance Program for Higher education	Career guidance	22.09.2021	-	Mr. Sriram Chief Instructor & Admission Associate Magoosh – Learners Cortex	-	80	-	-
4.	Free and Online Simulators for Electrical Engineer	Webinar	29.07.2021	-	Mr. C. Athbel Joe, Dr. Belwin J Brearley and Dr. K. Shafeeque Ahmed Dept.of EEE, BSACIST	5	40	20	-
5.	Career Advancement program	Career guidance	24.01.2022	Education Matters	Ms. Reshmy Vijay Director, Education Matters	-	66	-	-
6.	Basics of python	Workshop	27.01.2022	-	Dr. R. Jayashree Dr. Abirami Dr. Jyotismita Mishra	13	-	-	-
7.	Guest lecture on course attainment	Guest Lecture	24.01.2022	-	Dr. S. Baskar, Professor & Dean (R&D), Thiagarajar College of Engineering , Madurai	26	-	-	-
8.	Career Advancement Program	Global study and job opportunities	24.01.2022	-	Ms. Reshmy Vijay Director, Education Matters	13	70	-	-

9.	Awareness Session on RAI ( Robotics, AI & IOT)	Guest Lecture	14.03.2022	-	Mr. Ramaiah Chidambaram, Manager, Industry 4.0, CIIC	2	43	-	-
10.	CYGNUS 2022	National level Technical Symposium	12.05.2022	-	Er. A. A. SADAGOPAN B.E., M.SC (ENGG) Member Generation,(retired) TANGEDCO	-	80	-	50
11.	B.Tech EEE (Admission promotion) event	Career guidance	10.03.2022	Vellayan Chettiyar HSS Thiruvottiyur	Dr. Belwin J. Brearley, Dr. Hannah Lalithah, Dr. Abirami, Dr. Shanmuga Vadivu	-	-	180	-
12.	B.Tech EEE (Admission promotion) event	Career guidance	09.03.2022	MontFort School, Santhome, Chennai	Dr. S. Jennathu Beevi, t. Dr. R. Zahira Dr.V.Pramila Mrs.V.Bharanigha	-	-	75	-
13.	Thermo electrically enhanced highly integrated wire bondless SiC half bridge power module	Expert Talk	25.03.2022	-	Dr. Shiladri Chakraborty,Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology, Bombay	10	50	-	-

14.	B.Tech EEE (Admission promotion)	Career guidance	16.03.2022	Crescent School, Vandalur, Ch.48	Dr. S. Jennathu Beevi, Dr. K. Shafeeque Ahmed, Mr.S.Suresh	-	-	50	-
15.	Climate Change, Energy Swaraj and I	Workshop	18.04.2022	IIT Bombay	Prof. Chetan Singh Solanki, Professor at IIT Bombay, Founder of Energy Swaraj Foundation Brand Ambassador of Solar Energy for Madhya Pradesh	50	300	-	-

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1.	IEEE membership fee for 49 EEE students and 2 faculty members	July 2021 - June 2022	\$1481	-
2.	SEEE Inauguration	28.10.2021	5455	-
3.	Guest lecture on Career advancement programme by Ms. Reshmy Vijay Director, Education Matters	24.01.2022	2000	-



4.	Guest lecture on course attainment by Dr. S. Baskar, Professor & Dean (R&D), Thiagarajar College of Engineering, Madurai	24.01.2022	2000	-
5.	Expert Talk on "Thermo electrically enhanced highly integrated wire bondless SiC half bridge power module" by Dr. Siladri Chakraborty, Professor, IIT, Bombay	25.03.2022	2,000	-
6.	One day workshop on "Climate Change, Energy Swaraj and I" by Dr. Solanki, Professor, IIT Bombay	18.04.2022	20,000	—
7.	Career Guidance on "Possible ways of Attracting Research Funding" by Dr. V. Gayathri VIT Vellore	22.03.2022	2,000	—
8.	CYGNUS 22 -National level technical symposium	22.05.2022	25,000	-

➤ **Conferences / FDP / Seminars / Workshops Attended**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Dr. R.Hannah Lalitha	High Voltage Engineering	Guest Speaker in FDP	30/06/2022	Valliammai Engineering College, Kattankulathur, Chengalpet, T.N	-

2.	Mr.S.Suresh	Machine Learning concepts for Modelling and Control of Nonlinear System	Workshop	27/06/2022 - 2/07/2022	Manipal Institute of Technology, Manipal, Karnataka	Rs. 4720
3.	Dr. K. Shafeeque Ahmed					
4.	Dr. Belwin J. Brearley	smart materials and manufacturing system	FDP	27/06/2022 - 02/07/2022	Kings Engineering College	-
5.	Dr. Belwin J. Brearley	Physical Modeling and Control of Electric Vehicles with Simulink and Simscape	Online Training	27/6/2022 - 29/6/2022	Mathworks Training Services	-
6.	Dr. K.R. Shanmuga Vadivu	Simulation Tools in Electrical Engineering”	“Training Programme	20/06/2022 - 25/06/2022	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology	-
7.	Dr. P. Abirami					
8.	Dr. R.Hannah Lalitha					
9.	Dr. R.Zahira	“Smart Grids and Micro Grids in Indian Context”	FDP	20/06/2022 - 24/06/2022	Dept. of EE, Mahatma Gandhi Institute of Technology, Gandipet,	-
10.	Dr. R.Zahira	Master class on Electric Vehicle Design USING MATLAB	Webinar	20/06/2022 - 19/07/2022	Andhrapradesh State Skill Development Corporation. and Pantech e learning	-
11.	Dr. R.Zahira	Smart Cities: Energy, Water and Sewage Management	Webinar	02/04/2022	IEEE Smart Cities Ambassadors Week 2022 EVENT	-

12.	Dr.S.Jennathu Beevi	Global Energy Transition Master Class 2022	Online Training	31/03/2022	Endress+Hauser Management AG, Switzerland	-
13.	Dr. R.Zahira	Linking Academic Attended Research With Industry	Seminar	31/03/2022	University of Technologies and Applied Sciences-Ibri, Sultanate of Oman	-
14.	Dr. R.Zahira	Brainstorming Session with International Software Experts	Webinar	29/03/2022	IT Department, UTAS-Ibri, Oman	-
15.	Dr.Y.Mohamed Shuaib	"Power Electronics Components Packaging"	Guest Lecture	25/03/2022	Department of EEE, BSA Crescent IS & T	-
16.	Dr.R.Jayashree	Thermo Electrically Enhanced Highly Integrated Wire Bondless SiC Half Bridge Power Module	Guest lecture	25/03/2022	Department of EEE B.S.Abdur Rahman Crescent Institute of Science and Technology	—
17.	Dr. Belwin J. Brearley					
18.	Dr.S.Jennathu Beevi					
19.	Dr.K.Sarmila Har Beagam					
20.	Mr.S.Suresh					
21.	Dr. R.Zahira					
22.	Dr. K.R. Shanmuga Vadivu					
23.	Dr Abirami P					

24.	Dr. R.Zahira	3D Cable Modeling in COMSOL Multiphysics®	Webinar	25/02/2022	IEEE Spectrum Tech Insider Webinars	-
25.	Dr. R.Hannah Lalitha	Rise of wireless power	Seminar	24/02/2022	IEEE Power Electronics Society	-
26.	Dr. R.Hannah Lalitha	Non isolated and isolated DC to DC converter using PSIM	Workshop	24/02/2022 - 25/02/2022	Department of EEE, and IEEE students branch,SRM TRP Engineering college, Trichy.	-
27.	Dr. K.R. Shanmuga Vadivu					
28.	Dr Abirami P					
29.	Dr. R.Hannah Lalitha	National Workshop on Grid Power Electronics Technology	National Workshop	18/02/2022 - 19/02/2022	IIID&M Kanchieepuram	-
30.	Dr.R.Jayashree	Breast Cancer Awareness program	Workshop	4/02/2022	Women Empowerment Cell, BSACIST	—
31.	Dr. Belwin J. Brearley					
32.	Dr.S.Jennathu Beevi					
33.	Dr.K.Sarmila Har Beagam					
34.	Dr. R.Zahira					
35.	Dr. Pramila					
36.	Dr. P. Abirami					
37.	Dr. K.R. Shanmuga Vadivu					
38.	Dr. R.Hannah Lalitha					

39.	Dr.R.Jayashree	Basics of python	Workshop	27/01/2022	Department of EEE BSACIST	-
40.	Dr. Y.Mohamed Shuaib					
41.	Dr.S.Jennathu Beevi					
42.	Dr.K.Sarmila Har Beagam					
43.	Mr. S. Suresh					
44.	Mrs. Bharanigha					
45.	Dr. K. Shafeeque Ahmed					
46.	Dr. R. Zahira					
47.	Dr. Pramila					
48.	Dr. P. Abirami					
49.	Dr. R.Hannah Lalitha					
50.	Dr. K.R. Shanmuga Vadivu					
51.	Dr.R.Jayashree	Course Outcome Attainment	Guest Lecture	24/01/2022	Department of EEE BSACIST	—
52.	Dr. Y.Mohamed Shuaib					
53.	Dr. Belwin J. Brearley					
54.	Dr.S.Jennathu Beevi					
55.	Dr.K.Sarmila Har Beagam					

56.	Mr. S. Suresh					
57.	Dr. K. Shafeeque Ahmed					
58.	Dr. R. Zahira					
59.	Dr. Pramila					
60.	Dr. P. Abirami					
61.	Dr. R.Hannah Lalitha					
62.	Dr. K.R. Shanmuga Vadivu					
63.	Dr. R.Zahira	Electric Vehicle Battery pack calculation using Microsoft Excel.	Course	18/01/2022	Decibel lab	-
64.	Dr. K.R. Shanmuga Vadivu	Double Diamond Approach In Design	Workshop	12/01/2022	SSN College of Engineering Kalavakkam	-
65.	Dr. P. Abirami	Smart Grid-Drivers, challenges and opportunities	FDP	04/01/22 - 08/01/2022	AICTE Training and Learning (ATAL) Academy & SASTRA University	-
66.	Dr. R.Hannah Lalitha					

➤ **Papers Published/ Presented in Journals & Conferences (July 2021- June 2022)**

Name	National Conference		International Conference		National Journal		International Journal		Total
	with ISBN	Others	with ISBN	Others	SCI / Scopus Indexed	Others	SCI / Scopus Indexed	Others	
Dr.R.Jayashree	-	-	2	-	-	-	3	-	5
Dr.Y.Mohamed Shuaib	-	-	-	-	-	-	-	-	-
Dr. Belwin J.Brearley	-	-	2	-	-	-	1	-	3
Dr. S. Jennathu Beevi	1	-	4	-	-	-	3	-	8
Dr..K.Sarmila Har Beagam	-	-	2	-	-	-	1	-	3
Mr.S.Suresh	-	-	-	1	-	-	1	-	2
Mrs.V.Bharanigha	-	-	3	-	-	-	1	-	4
Dr.K. Shafeeque Ahmed	-	-	2	-	-	-	2	-	4
Dr. R. Zahira	-	-	4	2	-	-	3	-	9
Dr.V.Pramila	-	-	-	-	-	-	-	-	-
Dr.K.R.Shanmuga Vadivu	-	-	2	-	-	-	-	-	2
Dr.P.Abirami	-	-	3	-	-	-	1	-	4
Dr.R.Hannah Lalitha	-	-	2	-	-	-	1	-	3

➤ **Details of Publication In National & International Journals & Conferences: (IEEE Format)**

**International Journal& National Journal**

**a) SCI/Scopus Indexed Journal**

1. Kavitha Sivakumar, Jayashree R, Karthikeyan Danasagaran, "Efficiency Driven Planning for Sizing of Distributed Generators and Optimal Construction of Cluster of Micro Grids" Engineering Science and Technology, an International Journal (B.V. Elsevier) 24 (2021) pp.1153-1167.
2. A. Richa, Abdul. R. Beig, Jayashree R, Karthikeyan Danasagaran, "DC Voltage Control and OLTC Control Strategy for MMC- Based HVDC system under SM Failure" IEEE access Vol.9 (2021) pp.114325-114338.
3. A.B. Feroz Khan, Hannah Lalitha R, Kalpana Devi S, Rajalakshmi CN, "A Multi-Attribute Based Trusted Routing for Embedded Devices in MANET-IoT", <https://doi.org/10.1016/j.micpro.2022.104446>, Vol.89 (2022) 104446, Microprocessors and Microsystems- Elsevier, January, 2022 (Impact Factor 1.525 )
4. Eswaramoorthi, R, Leeban Moses, M, Sahul Hameed, Jennathu Beevi, Ghanti, B. Deep Graph Neural Network Optimized with Fertile Field Algorithm based Detection Model for Uplink Multiuser Massive Multiple-Input and Multiple-Output System. Trans Emerging Tel Tech.(Wiley) 2022; e4614. doi:10.1002/ett.4614 . Impact Factor: 3.3
5. .Logeswaran, T., M. Senthil Raja, Jennathu Beevi Sahul Hameed, and Mahabuba Abdulrahim. "Power Flow Management of Hybrid System in Smart Grid Requirements using ITSA-MOAT Approach." Applied Energy, Elsevier (2022): 119228. Impact Factor: 9.746
6. Riazuddin, Ashfaq Ur Rehman Mohamed, Mahabuba Abdulrahim, Jennathu Beevi Sahul Hameed, and Jayashree Ramasubramaniam. "Optimal Design of Controller for Automatic Generation Control in Multi Area Restructured Power System with Battery Energy Storage and Wind Energy Systems." International Journal of Engineering Trends and Technology, December 2021.



7. Viswaprakash Babu, Shafeeque Ahmed K, Y. Mohamed Shuaib, M. Manikandan, "Power Quality Enhancement Using Dynamic Voltage Restorer (DVR)-Based Predictive Space Vector Transformation (PSVT) With Proportional Resonant (PR)-Controller", IEEE Access, Vol. 9, 2021, pp. 155380 – 155392.
8. Viswaprakash Babu, Shafeeque Ahmed K, Y. Mohamed Shuaib, M. Manikandan, S. Sathik Basha, "Cascaded Fuzzy Logic Control of PV Fed DVR for Power Distribution Systems", Design Engineering, Issue 8, 2021, pp. 8890 – 8900.
9. P. Abirami, " Deep Learning Model on Energy Management in Grid-Connected Solar Systems, International Journal of Photo energy. 2022, 6371182. IF: 2.113
10. Belwin J. Brearley, K. Regin Bose, Senthil K, Ayyappan," KNN Approaches by using Ball Tree Searching Algorithm with Minkowski Distance Function on Smart Grid Data" Indian Journal of Computer Science and Engineering, Vol.13, 2022 pp.1210- 1226.
11. S.M. Ahmed, K.S. Ahmed and Y. Mohamed Shuaib., Dual Control of Asynchronous Motor for EV Fed by 5-level Diode Clamped Multilevel Inverter using SPWM Technique, Int. J. Vehicle Structures & Systems, 13(2), 223-228, 2021, doi:10.4273/ijvss.13.2.16, ISSN: 0975-3060 (print) / ISSN: 0975-3540 (online) (IF: 0.95)
12. Viswaprakash Babu, K. Shafeeque Ahmed, Y. Mohamed Shuaib, Manikandan M, S.S athik Basha, "Cascaded Fuzzy Logic Control of PV Fed DVR for Power Distribution Systems", Design Engineering, Volume-2021, Issue-8, November 2021, pp. 8890-8900. (Scopus Indexed) (Impact Factor: 1.4
13. V. Kubendran, Y. Mohamed Shuaib, J. Preetha Roselyn, Development of Multilevel Inverter with Reduced Switch Counts and Limited Sources for Electric Vehicles, Sustainable Energy Technologies and Assessments, Vol.52, May 2022, ISSN: 2213-1388. (Scopus Indexed and SCI Expanded) (Impact factor :7.632 )
14. .Faizanahmad S K, Dr.K.Sarmila Har Beagam "Minimisation of Generation Cost using Particle Swarm" in International Journal of Research in Engineering and Science, Volume 10 Issue 6,PP. 1611-1616,July 2022.
15. Suresh, S., Zahira. R., et al., Efficient Multi-Phase Converter for E-Mobility. World Electric Vehicle Journal, 2022.13(4), p.67.

16. Navamani, J. Divya, A. Lavanya, R. Zahira, and Rishab Mrinal. "A Comparative Study on SSA and SFG based Dynamic Model of Quadratic Boost Converters for Renewable Energy System." Journal of Electrical Systems 17, No. 4 (2021): 438-454
17. Suresh, S., & Zahira, R," Hardware Implementation of Two Stage Interleaved Boost Converter for Electric Vehicle Application" International Journal of Vehicle Structures & Systems (IJVSS) 2021, Vol. 13 Issue 3, p373-377.

#### **International Conference & National Conference:**

##### **a) Conference with ISBN Proceedings**

1. Irum Fathima, K. Nawaz Ali ,Md Taushif Ahmed,R.Jayashree, "Prepaid Energy Meter with theft alert using IOT", Proceedings of international Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering"(ICIRMEEE 2022), 28th -29th April 2022, AMET University, pp.403-406. ISBN 978-93-85434-47-1.
2. Hari Prashath, K. Nafees Baig, M. Hemapriya S. Jennathu Beevi, "Integrated Energy Management and Monitoring System for Small Scale Industries", Proceedings of First Virtual International Conference on Fuel, Energy and Environment (ICFEE 2022), 2022/10/6, ISBN: 9789391131586.
3. Jayshankar, S. Jennathu Beevi, R. Jayashree, "A Hybrid Energy Storage and Grid-Connected Photovoltaic Power Management System", First Virtual International Conference on Fuel, Energy and Environment (ICFEE 2022), ISBN: 9789391131586.
4. A Mahabuba, P Sujini, Jennathu Beevi, "Phonocardiography based Classification of Normal and Abnormal Heart Sounds and their Correlation Analysis", Proceedings of International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2022), 28 -29, April 2022, Chennai, India.

5. R. Nafeena Abdul Munaf , S. Jennathu Beevi , A. Abdul Munaf , , K. Sarmila Har Beagam, K. Chandra Sekar, “Design of Power System Stabilizer (PSS) and Thyristor Controlled Series Compensator (TCSC) based controllers for Small Signal Stability Issues”, International Conference on Advances in Manufacturing Technology, 25-26, March 2022.
6. G. Joy Mathew, M.S. Murshitha Shajahan, S. Jennathu Beevi, D. Najumnissa Jamal, “Design of Fractional Order Controller for Thermal Power Plant Process”, 6<sup>th</sup> National Conference On Recent Trends in Instrumentation and Control (RTIC –2022) Organized by Department of Instrumentation Engineering, MIT Campus, Anna University, 27-28, May 2022.
7. P. Abirami, K. R. Shanmuga Vadivu, R. Hannah Lalitha, “Harmonic Comparison of 10 Bus Loop and Radial Distribution Networks” IEEE sponsored 2022 Second International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES 2022) held at the Department of Electrical and Electronics Engineering, St. Joseph’s Institute of Technology (Autonomous), Chennai, Tamil Nadu, India, during 15 - 16, July 2022.
8. P. Abirami, K. R. Shanmuga Vadivu, R. Hannah Lalitha, “SMC controlled SAF for Reduction of Harmonics in DN” IEEE sponsored 2022 Second International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES 2022) held at the Department of Electrical and Electronics Engineering, St. Joseph’s Institute of Technology (Autonomous), Chennai, Tamil Nadu, India, during 15 - 16, July 2022.
9. Sivagami Ponnalagarsamy, Harikrishnan R, Pushpavalli M and Abirami P, “Wireless Power Transfer for Electric Vehicle”, Electro Chemical Society Transactions, Volume 107, Number 1, 2022, PP 18697.

10. S. Suresh, R. Zahira and K. Shafeeque Ahmed, "Optimal Selection of Solar Photovoltaic Array for Electric Vehicle Application", IEEE International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT), 2021, pp. 1-6.
11. B. Nithin, and K. Shafeeque Ahmed, "Hybrid PV wind Battery Optimal Sizing using Horse-Herd Optimization", Virtual International Conference on Fuel, Energy and Environment (ICFEE 2022),2022
12. Belwin J. Brearley ,K. Regin Bose, M.Ramkumar, S. Vivek, " "Weather Monitoring System For Effective Power Production from Hybrid Power Generation System " International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2022), AMET University held on 22-23, April 2022.
13. Vivek S, Mohammed Farook, S. Vinith kumar, Belwin j Brearley, M. Ramkumar " Four Quadrant Operation and Speed Control of Three Phase BLDC Motor for Electric Vehicles"First Virtual International Conference on Fuel, Energy and Environment (ICFEE 2022), ISBN: 9789391131586, organized by Kongu Engg college on 9 -10, June 2022.
14. Syed Muzafar Ahmed, K. Shafeeque Ahmed and Y. Mohamed Shuaib, "Open Loop Control of an Induction Motor Using a 6-Level Diode Clamped Multilevel Inverter" International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2021) 18th June, 2021, ISBN: 978-93-85434-85-3.
15. Swarnadharshini K and Y. Mohamed Shuaib, "An Open Circuit Fault Tolerant Topology for the Generalized Symmetrical Multilevel Inverter", 9<sup>th</sup> International Conference on Emerging Trends in Engineering and Technology '22 (ICETET'22 ) 29 -30, April 2022.

16. Lolugu Sivaji, G. Farook, Badri Sumanth, Dr. K. Sarmila Har Beagam "A Three Port DC to DC Cuk converter for Photovoltaic Electric Vehicle" International Conference on Emerging Trends in science Technology & Applications, Sree Sakthi Engineering College, May 2022.
17. M.I. Izzath Hussain, R. Zahira, S. Suresh, V. Bharanigha" PV Charging Station for Electric Vehicle with G2V and V2G", 1<sup>st</sup> Virtual International Conference on Fuel, Energy and Environment (ICFEE 2022), June 09 & 10, 2022, ISBN: 9789391131586, Kongu Engineering College, Erode, PP: 20.
18. Naveen Kumar S, Ayman Khan I, R. Zahira, "Modular Cascaded Battery System for Electric Vehicle Using Solar Charging "International Virtual Conference on Innovations and Research in Marine Electrical and Electronics Engineering (ICIRMEEE 2022), 28-29, April 2022, AMET Deemed to be University ISBN: 978-93-85434-47-1, PP:555.
19. S. Suresh and R. Zahira, "Optimal selection of Solar Photo Voltaic Array for Electric Vehicle Application", 3rd IEEE International Conference on "Innovations in Power & Advanced Computing Technologies", VIT, 27-29, November 2021

**b) Other Conferences**

1. S. Suresh, R. Zahira, A. Kabeel, "Three Phase Induction Motor Drive with Back to Back Converter by V/F Method using TYPHOON HIL Software", 4th International conference on Engineering Science and Technology. Luxor, Egypt, 2022.
2. D. Lakshmi, S. Jeyalakshmi, R. Zahira, P. Siva, AbdurRahman, Abd Elnaby Kabeel "GUI Based Plant Disease Identification in Farms", 4<sup>th</sup> International conference on Engineering Science and Technology. Luxor, Egypt, 2022.

➤ **Details of Impact Factor of the Publication and H-Index:**

**No. In Scopus-19**

➤ **Sponsored Research (Ongoing / Applied):**

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY July 2021- June 2022	Balance available	
1	Dr. Jennathu Beevi, Dr. R. Jayashree, Dr. Sarmila Har Beagum, Mr. Ramkumar	SERB	Investigation on the Implementation of Zero Energy DC House"	-	-	-	-	Applied
2	Dr. K. R. Shanmuga Vadivu, Dr. P. Abirami, Dr. R. Jayashree	Crescent SEED Scheme	Design of a switched capacitor based 4th order DC - DC Boost Converter for solar assisted agricultural farm irrigation with AI based control approach.	Rs 50,000	Rs 30,000	-	20,000	On going

3	Dr. K. R. Shanmuga Vadivu, Dr. P. Abirami, Dr. R. Jayashree, Dr. R. Hannah Lalitha	TNSCST (Science and Technology)	Improved Performance Characteristics of SMPS using Optimization based ACC for Telecom Stations.	-	-	-	-	Applied
4	Dr. R. Zahira, Dr. R. Jayashree, Mr. S. Suresh in collaboration with Electrical Engineering, Renewable Energy Lab, College of Engineering, Prince Sultan University Riyadh, Saudi Arabia and Nebeskie Labs Private Ltd.,	MNRE	Intelligent Electric Transportation with Body Integrated Charging System	-	-	-	-	Applied
5	Dr. V. Pramila, Dr. R. Zahira	MNRE	Extraction of Clean Water from Brackish/Sea Water Using Desalination Process by means of Renewable Energy Resources	-	-	-	-	Applied

➤ **Book Chapters Published:**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr. R.Hannah Lalitha	A Hybrid Split and Merge (HSM) Technique for Rapid Video Compression in Cloud Environment in Cloud Environment	-	-	Computer Networks, Big Data and IoT. Lecture Notes on Data Engineering and Communications Technologies, vol 117. Springer, Singapore	<a href="https://doi.org/10.1007/978-981-19-0898-9_72">https://doi.org/10.1007/978-981-19-0898-9_72</a>
2	Dr. R Zahira	“Stand-alone microgrid concept for rural electrification: a review” in book titled “Residential Microgrids and Rural Electrifications”	-	\$185.00	Academic Press 2022 Elsevier Inc	<a href="https://doi.org/10.1016/B978-0-323-90177-2.00013-X">https://doi.org/10.1016/B978-0-323-90177-2.00013-X</a>

➤ **Patents (Obtained / Applied)**

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Oil Skimmer by Using Roller, Patent no: 202241012257	07/03/22	23/03/22	-	—



2	SNN Controlled UPFC for Power Quality Improvement in a Distribution Network. No. 202241011235	02/03/22	-	-	-
3	Electric Hybrid Power Source for Vehicles using weightless internal combustion. Patent number: 2021102319	02/05/2021	29/07/2021	Eight years from 2 <sup>nd</sup> May 2021	-

➤ **Achievements of Staff:**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr.R.Jayashree	Best contribution in Academic research for the year 2019	B.S.Abdur Rahman Crescent Institute of Science and Technology	September, 2021
2.		Received a certificate of appreciation for organizing activities towards the advancement of IEEE and Engineering profession during the year 2020. Also received a rebate of Rs.24,750/- for the IEEE student branch.	IEEE Madras section	December, 2021
3.	Dr S Jennathu beevi	Alumni Coordinator award	Crescent Alumni Association	March, 2022
4.	Dr. Y. Mohamed Shuaib	Received Research Incentive award for the year 2019	B.S.Abdur Rahman Crescent Institute of Science and Technology	September, 2021

➤ **Achievements of Students**

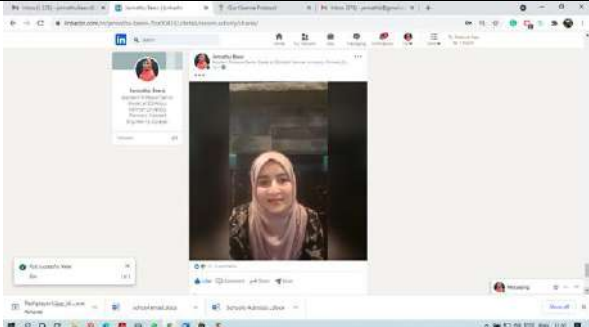
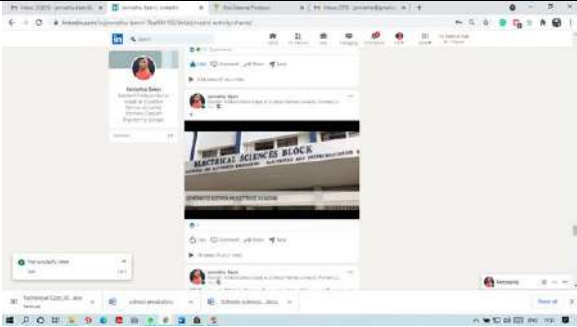
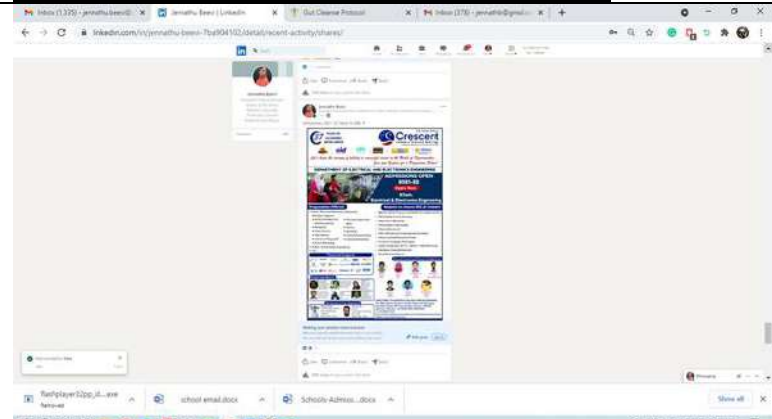

S.No	RRN	Name of the student	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	-	All third year students	Successfully completed the course "Applied Industrial IOT"	L& T Edutech	March 2022 - June 2022.
2	180041601011	Mr. M.D.Taushif Ahmed	Best paper Award for the paper titled "Prepaid Energy Meter with theft alert using IOT" in International conference on "Innovations and Research in Marine Electrical and Electronics Engineering".	AMET University	April, 2022
	180041601008	Mr. K.Nawaz Ali			
	180041601007	Ms. Irum Fathima			

➤ **Developmental Activities:**

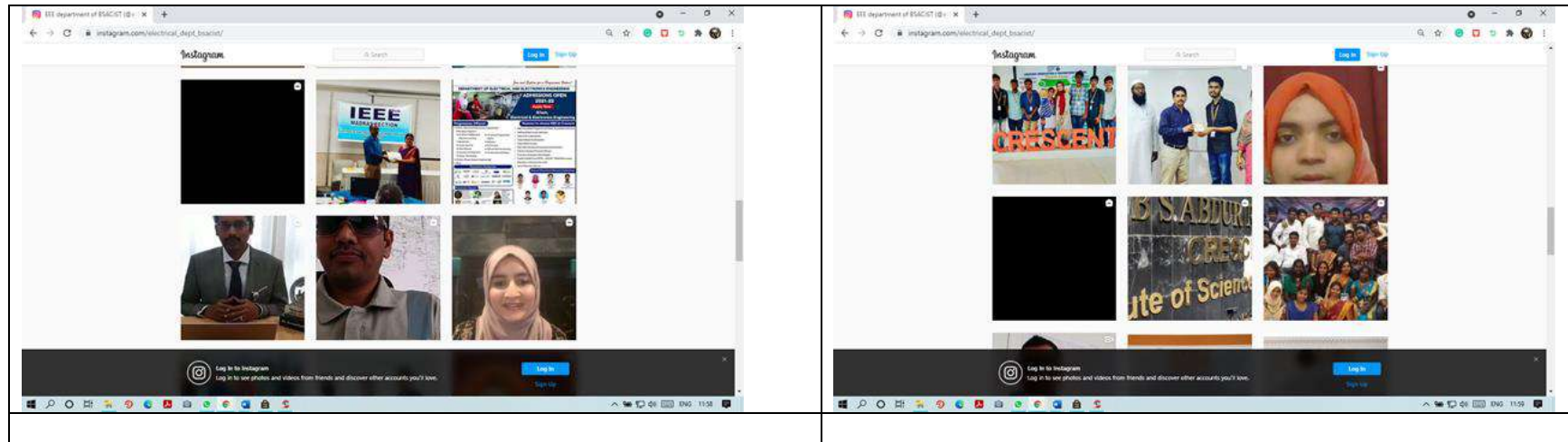
S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	NPTEL course completion	12 weeks	Dr.S.Jennathu Beevi completed the 12 weeks NPTEL course "Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems"	To enhance the teaching learning process	A new course on Solar Energy has been included in the curriculum under R2017 .

2	Coursera course completion and certified by university of Colorado	Four weeks - 2.01.2022 - 2.02.2022	Dr.K.Sarmila Har Beagam Completed the four weeks Mooc course on "Renewable Energy Technology Fundamentals"	To enhance the teaching learning process	A new course on Solar Energy has been included in the curriculum under R2017 .
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**Social Media Snapshots:**

<p><b>1. Alumni Testimonial videos in LinkedIn</b></p> 	<p><b>2. Department Promo video in LinkedIn</b></p> 
<p><b>3. Admission Brochure posted in Linked in</b></p> 	<p><b>4. Admission Brochure posted in Linked in</b></p> <p><b>Social Media Snapshots- LinkedIn</b></p> 

4. Department Instagram Profile :[https://www.instagram.com/electrical\\_dept\\_bsacist/](https://www.instagram.com/electrical_dept_bsacist/)



## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of the Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	IIT Bombay Spoken Tutorial	July – December 2021	-	IIT Bombay	257	-	-
2.	IIT Bombay Spoken Tutorial	January – June 2022	-	IIT Bombay	381	-	-
3.	“Certified Labview Associate Developer (CLAD)	21.03.22 - 20.04.22	60	National Instruments	18	3	-

### ➤ Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of the Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	“Certified Labview Associate Developer (CLAD)	21.03.22 - 20.04.22	60	Rs.5000/- National Instruments, Bangalore & Aadhyaa Skills Research and Development, Chennai	18	3	-

➤ **Details of Field visits/Industrial visits organized by the department**

S. No	Participants Details				No. of Faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Program me	Sem.	Sec.	No. of Students					
1.	B.Tech	VIII	A	54	2	Sea Blue Shipyard, Kochi, Kerala	21.05.22	-	No
2.	B.Tech	VIII	B	45	2	Sea Blue Shipyard, Kochi, Kerala	21.05.22	-	No

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of the Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Automotive Embedded System	Webinar	14.08.2021	-	Ms Anupama Kumari, Systems Engineer, Jasmin Infotech Pvt Ltd, Chennai.	-	0	-	61
2.	Virtual Alumni Reunion	Alumni meet	14.8.2021	-	-	-	0	-	100
3.	Mobile Robot Localization	Guest Lecture	30.10.2021	-	Dr. K. Selvajyothi, Assistant professor, Department of Electrical	-	70	-	0

					Engineering, IITDM, Kanchipuram.				
4.	Opportunities In Core Industry	Webinar	04.01.2022	-	Mr. Anish Kumar , Director of Aadhaya Skills Research and development; Mr.Sathish Kumar, CLA certified Engineer, HARMAN	-	60	-	0
5.	Introduction to AI	Online Webinar	20.11.2021	-	Mr.C.Rishub, Final year ECE student	-	80	-	-
6.	Hands-on training in HDL language Constructs	Hands-on training	22.12.2021 & 23.12.2021	-	Mr. Kumaran Radhakrihnan, Alumnus (M. Tech – VLSI & Embedded systems 2015 - 2017), Resource and development engineer, Hitachi Energy India Ltd	-	15	-	15
7.	Opportunities for Graduates in VLSI Industry	Carrier Awareness Program	23.11.2021	-	Mr. Kumaran Radhakrihnan, Alumnus (M. Tech – VLSI & Embedded systems 2015 - 2017), Resource and development engineer, Hitachi Energy India Ltd	-	78	-	10

8.	Artificial Intelligence using Graphical Programming Design – LabVIEW	Online Workshop	04.08.2021 - 06.08.2021	-	Mr.Issaki Raja from VI Solutions, Bengaluru	-	3	-	38
9.	BASICS OF ARDUINO	Hands-on training	29.12.21	-	Mr.C.Rishub, Mr.Sundeeep Final year ECE student	-	35	-	-
10.	Virtual Poster Presentation Competition	Competition	12.06.2021	-	NA	-	0	-	70
11.	Virtual Project EXPO'2021	Competition	12.06.2021	-	NA	-	-	-	88
12.	Artificial Intelligence Applications for Medical Diagnosis	ATAL sponsored five days Faculty development programme	4.10.2021- 8.10.2021	ATAL	Dr. C.Tharini Professor and Head/ECE Dr. Karpagam Professor, PSG College of Technology Dr.Parnasree Chakraborty AP(Sr.Gr.)/ECE Ms.S.Syed Rafiammal AP(Sr.Gr.)/ECE Dr. Sabarimalai Manikandan Assistant Professor, School of Electrical Sciences. IIT,	-	3	-	137



				<p>Odisha          Dr. S.Muttan          Former Professor,          Department of          ECE,College of          Engineering,Guindy          Campus          Dr. O.Uma          Maheshwari          Professor/ECE,          Anna university          Mr. Yasin          Ysquare technology,          Anna salai'          Chennai          Ms. G.Anuradha,          AP(Sr.Gr.)/ECE          Ms. M.Padma Usha,          AP(Sr.Gr.)/ECE          Dr. Sabarimalai          Manikandan          Assistant Professor,          School of Electrical          Sciences,IIT,          Odisha.          Dr. Sree T.          Sucharitha, M.D          Fellow in HIV          Medicine, Professor-          Department of          Community          Medicine, Research          Co-ordinator, Central          Research Lab,</p>				
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					<p>Tagore Medical College and Hospital, Chennai.          Dr. D. Najumnissa Jamal          Dean &amp; Head,          School of Electrical &amp; Communication Sciences, BSACIST.          Dr.Priyanka Kokil          Assistant Professor &amp; HOD(I/C)          ECE          Department,IITDM          Dr. R.Murugan          Assistant Professor,Department of ECE          NIT, Silchar          Dr.R.Purushothaman          Deputy Director,          Physical Education department,          BSACIST</p>				
13.	Online Quiz for School students	Competition	10.04.2022	-	BQUCE Club	-	0	-	30
14.	Online Quiz for Intercollege students	Competition	01.06.2022	-	BQUCE Club	-	300	-	0
15.	Annual Juncture of ECE Clubs	Competition	02.06.2022	-	-	-	0	-	90

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of the Financial support received from Institution	Remarks
1.	Spectron-Symposium 2k22	1 day	25000	National Level Technical Symposium
2.	Guest Lecture - Mr. Rahul Mohideen, Research Assistant, Saarland University, Germany. - Image Compression: Basics & its applications	1 Hour	As per University norms	-
3.	Guest Lecture - Dr. K. Selvajothi - Assistant Professor, IIITD&M, Kanchipuram - Mobile Robot Localization-	1 Hour	As per University norms	-
4.	Guest Lecture - Dr. D.L. Lavanya-Scientist F & Deputy Director, Instrumentation, DRDL, Hyderabad - Missile System Design – from Inception to Induction	1 Hour	As per University norms	-
5.	Guest Lecture -Mr. Kumaran Radhakrishnan -R & D Engineer, Hitachi Energy India Ltd.,- Opportunities for Graduates in VLSI Industry	1 Hour	As per University norms	-
6.	Guest Lecture - Mr. Syed Sulthan Ibrahim - ATC, AAI, Lakshadweep - Microwave Antenna and Radar: Basics and Applications	1 Hour	As per University norms	-

7.	Guest Lecture - Dr. Vignesh Raja - Senior Research Scientist, Philips Research, Netherlands. - Industrial view on Electronics and Communication Technologies – Practical examples	1 Hour	As per University norms	-
8.	Guest Lecture - Mr. Jeyasingh Pathrose - Chief Technology Officer, Jasmin Infotech, Chennai - Emerging Technologies in AI and IOT	1 Hour	As per University norms	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of the Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. B. Vijayalakshmi	Quality Assessment & Accreditation in HEIs	Workshop	27.06.2022 - 28.06.2022	NAAC & Sathyabama Institute of Science and Technology	NIL
2.	Dr. Parnasree Chakraborty	Microsoft Azure Machine learning & Artificial intelligence	FDP	15.3.2022- 17.3.2022	Infi Spark & epitome.ai	NIL
		Mathwork webinar on AI techniques for signal processing	Webinar	23.7.22	Mathworks Design Tech Systems	NIL

3.	Dr. Indra Gandhi .K	"Introduction To Industry 4.0 And Industrial Internet of Things " 12 week NPTEL course	FDP	January-April 2022	IIT Madras	NIL
		Introduction to Machine Learning" 8 week NPTEL course	FDP	July-September 2021	IIT Kharagpur	NIL
4.	Mr. S. Sadhish Prabhu	Faculty Orientation Programme	FDP	10.05.2022 – 01.07.2022	Wadhvani Foundation	NIL
5.		"Digital VLSI Design and Verification"	FDP	23.08.2021 - 27.08.2021	Entuple Technologies and IEEE-BIT CAS	NIL
		Internet of things master class certification (30 days)	-	19.09.2021 to 18.10.2021	Skill AP,APSSDC	NIL
	Ms. S. Anusooya	"VLSI Design Techniques and its Applications in AI/ML"-online	Online Elementary FDP	15.11.2021 – 19.11.2021	AICTE Training And Learning (ATAL) Academy &Thapar Institute of Engineering & Technology, Patiala.	NIL
		"D3 (Design.Develop.Decode) GUI Based FPGA Programming".	FDP	20.12.2021 – 24.12.2021	SRM Institute of Technology	NIL

		Refresher/Induction Programme "FPGA for Low Power IoT"	Induction	06.12.2021 - 11.12.2021.	AICTE - ISTE Sponsored & SRM Valliammai Engineering College	NIL
		Innovation and Research :Path to Patents	Webinar	25.01.2022	SRM Institute of Technology	NIL
		"Recent Trends in network security"	FDP	08.03.2022 - 12.03.2022	SVCE	NIL
		Introduction to Machine Learning	FDP	January-February2022	NPTEL-IIT Madras	NIL
		NPTEL E-Awareness Workshop	Workshop	17.05.2022	NPTEL-IIT Madras	NIL
		"Qualitative and Quantitative Approaches for quality Assurance through Performance Indicators in Engineering Institutions"	FDP	02.05.2022 - 06.05.2022	Pune Institute of Computer Technology	NIL
		Deep Learning Processor Architecture	GIAN online workshop	09-05-2022 – 13-05-2022	National Institute of Technology, Tiruchirappalli	NIL
		NPTEL Workshop	Workshop	25.05.2022	NPTEL-IIT Madras	NIL

6.	Dr. Ambika .A	Recent Trends in Antenna and Nanoscale	Workshop	5.03.2022 - 6.03.2022	VIT, Chennai	NIL
		Printed and Flexible Electronics	FDP	27.06.2022-29.06.2022	VIT, Chennai	NIL
		Machine Learning using python	Webinar	26.05.2022	SIMATS School of engineering	NIL
7.	Ms .R. Mahalakshmi alias Isakki	EC8761 Advanced Communication Laboratory	FDP	-.	St . JOSEPH'S INSTITUTE OF TECHNOLOGY	NIL
		MATLAB Simulations of 5G Wireless Technologies	Online Workshop	28.02.2022 - 4.03.2022	Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kanchipuram, Chennai	NIL
		Future Opportunities and Challenges in 5G Technology	Online FDP	13.10.2021 – 17.10.2021	Department of Electronics and Communication Engineering in association with IEEE Student Chapter of Madanapalle Institute of Technology & Science (MITS), Madanapalle	NIL

		"Modulation, Coding and Multiple Access Techniques for Wireless Communication and Storage Systems"	Online FDP	15.11.2021 – 19.11.2021	AICTE.IIT GOA	NIL
		Performance analysis of LDPC codes in security of 5G systems	45th National Congress Conference	28.02.2022 – 4.03.2022	BSA Crescent Institute of Science & Technology, Chennai	NIL
8.	Ms. Siva Shanmugavalli	"Modulation, Coding and Multiple Access Techniques for Wireless Communication and Storage Systems"	Online FDP	15.11.2021 - 19.11.2021	AICTE.IIT GOA	NIL
		EMI & EMC	FDP	13.12.2021 - 17.12.2021	ATAL /TPCT TERNA Engg college	NIL
		Computation Techniques for EM	FDP	27.12.2021 - 31.12.2021	Delhi University	NIL
		Faculty Orientation Programme	FDP	10.05.2022 – 1.07.2022	Wadhvani Foundation	NIL
9.	Ms. M. Padma Usha	Practicing Democracy In Women Empowerment	45 <sup>th</sup> National Congress Conference	28.02.2022 – 4.03.2022	BSA Crescent Institute of Science & Technology, Chennai	-
		Quality Assessments and Accreditation in HEIs	Online workshop	27.06.2022 - 28.06.2022	Sathyabama Institute of Science and Technology	NIL



10.	Dr. Kalaivani	Machine Learning Techniques	FDP	18.05.2022 - 28.05.2022	NIT Warangal and Sathya Bama University	NIL
		Robotics	FDP	22.11.2021 - 26.11.2021	Defence Institute of Advanced Technology, Pune.	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021- June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
3	7	10	-	-	-	8	-	28

➤ **Details (list) of the Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

- a) **SCI/Scopus Indexed Journal**
- b) **Other journals**

**Scopus Indexed Journal:**

1. Sindhubala Kadirvelu, Walter D. Leon-Salas, Xiaozhe Fan, B. Vijayalakshmi, "A Circuit for Simultaneous Reception of Data and Power using a Solar Cell", *IEEE Transactions on Green Communications and Networking*, PP. 1-11, 2021.
2. Parnasree Chakraborty, Tharini Chandrapragasam, "Extended Applications of Compressed Sensing Algorithm in Biomedical Signal and Image Compression". *Journal of Inst. Eng. India Ser. B (IEIB)*, Springer, 2021.

3. Syed Rafiammal, S., Najumnissa Jamal, D. & Kaja Mohideen, S. Detection of Epilepsy Seizure in Adults Using Discrete Wavelet Transform and Cluster Nearest Neighborhood Classifier. *Iranian Journal of Science and Technology - Transactions of Electrical Engineering*, vol 45, pp.1103–1115, 2021.
4. P Chakraborty, Tharini. C, An Efficient Parallel Block Compressive Sensing Scheme for Medical Signals and Image Compression, *Wireless Personal Communications*, 123, pp 2959 – 2970,2022.
5. D. Manikandan, Sathish Prabhu, Parnasree Chakraborty, T. Manthra, M. Kumaravel ,IoT-Based Smart Irrigation and Monitoring System in Smart Agriculture , *Futuristic Communication and Network Technologies*, pp 45-56, Springer Lecture Notes in Electrical Engineering book series (LNEE, volume 792), Online: 12 October 2021.
6. Parnasree Chakraborty & C. Tharini, "Integration of Prediction Based Hybrid Compression in Distributed Sensor Network", *Wireless Personal Communications*, August 2021.
7. N. Parthiban, M. Mohamed Ismail, Efficient Micro strip Antenna system using Reduced GP structure for Ultra Wide Band (UWB) Applications, *YMER Journal*, Vol No. 20, Issue No. 12, 2021.
8. N. Parthiban, M. Mohamed Ismail, "A Comprehensive Performance Comparison of Methods for Achieving Band Notching in UWB Microstrip Antenna", *i-manager's Journal on Wireless Communication Networks (JWCN)*, 2021 issue (Volume No. 9, Issue No. 2)

➤ **International Conferences & National Conferences:**

**a) Conference with ISBN Proceedings**

1. A. Priya, E. Manikandan, Manavalan Saravanan, Sarfraz Nawaz, M. Mahalingam," Numerical Evaluation of 3D Printable Patch Antenna for Wearable Applications", in *Virtual International Conference on Futuristic Communication and Network Technologies (VICFCNT 2021)* ,Dec 10-11, 2021.
2. G. Anuradha, Ashima Yusuff, " Cloud Based Real Time Industrial Water Management Application for Tanks Using NI Labview" in *2nd International Conference on IoT Based Control Networks and Intelligent Systems*, June 2021.

3. R. Iniyavan, Chittibotina Bhargavi, Chittamuru Devi Priya, Syed Ayesha Muskan Jahan, “ A Vision Module for Visually Impaired Using Raspberry PI”, in *International Conference on the Empirical Aspects of Advancements in Science, Engineering and Technologies*, June 2021.
4. Dr. M. Vanmathi, Aarthi .S, Adheeba Vaseela, Induja. N, “ IOT Based Automated Energy Meter With Multiple Applications”, in *International Conference on Power of Digital Technologies in Societal Empowerment*, June 2021
5. S. Anusooya, Chappidi Sai Sudha, Janani.S, Shaik Adil Hussain, “ FPGA Based Implementation of Real Time Event Mark for Video Surveillance”,in *International Conference on Power of Digital Technologies in Societal Empowerment*, June 2021.
6. Dr. Parnasree Chakraborty, S. Mohammed Ijaz, K. J. Mohamed Dhanish, “ Infyverse- Virtual Fitness and Lifestyle Studio Using Artificial Intelligence, Deep Learning and Image Processing”, in *10th International Conference on Contemporary Engineering and Technology*, May 2022.
7. M. Padma Usha, Abdul aleem, Abdur rahmaan A, Hidhayathulla Khan S, “ RFID Based Authentication and Parking Slot Detection Using Artificial Intelligence” in *10th International Conference on Contemporary Engineering and Technology*, May 2022.
8. S. Sathish Prabhu, Mahaboob Rahman, Mohammed Mehran Saquib, “ Design and Implementation of Self Driving Car Model”, in *10th International Conference on Contemporary Engineering and Technology*, May 2022.
9. R. Iniyavan, Gamini Saikiran, Haja Mohideen, Idris, “Auto Attendance System from Single Image of the Classroom Using Face Recognition”, in *10th International Conference on Contemporary Engineering and Technology*, May 2022.
10. Dr.V. Jean Shilpa, Anjana Badrinath, Asila Fathima .S, “Intelligent Ventilation System using Empirical Mode Decomposition and Recurrent Neural Network”, in *12th International Conference on Science and Innovative Engineering*, May 2022
11. Dr. K. Indra Gandhi, Azim Khan .M, KrubaSankar S K,” Implementation of Smart Home for Elder People Using IOT”, in *45th Indian Social Science Congress*, April 2022.

12. Dr. K. Indra Gandhi, Turpunati Mansoor, Ramakrishna Reddy .V, " Implementation of Automated Smart RO Water Vending Machine Using IOT", in *45th Indian Social Science Congress*, April 2022.
13. Dr. P. K. Jawahar, Dr. K. Indra Gandhi, M. Mohammed Ajmal Aashif, Bathreenarayanan, Navoj Prabu, "Artificial Intelligence Based Communication Device for Vocally and Hearing Impaired Person", in *45th Indian Social Science Congress*, April 2022.
14. M. Selvakumar, Sai Akshay .S, Tharun Aadi .R, "Automatic Sickle Cell Anemia Detection Using Image Processing Technique", in *45th Indian Social Science Congress*, April 2022.
15. M. Selvakumar, Visagan .S, Yashwant Reddy .R, "Smart Device with Multiple Functions Benefiting the Soldiers in The Army", in *45th Indian Social Science Congress*, April 2022.
16. Dr. V. Jean Shilpa, Rishub C R, "Vehicle Speed Detection Using Deep Neural Networks", in *45th Indian Social Science Congress*, April 2022.
17. M. Padma Usha, Adnan Mumtaz, Ankeeta Behera , Mohamed Nadheem, "Deep Learning Techniques for Brain Tumor Diagnosis", in *45th Indian Social Science Congress*, April 2022.
18. R. Anitha, Saniya Mirza, S.R.Pervaz Riswan, Sayed Mohammed Thariq, "Domotics", in *The Institution of Electronics and Telecommunication Engineers*, September 2021.
19. Dr. V. Jean Shilpa, A.R.Thaslima Parveen, Sri Kumaran .B, Shafeeq Ahamed, "Parking Lot Availability System Using YOLOV3" , in *The Institution of Electronics and Telecommunication Engineers*, September 2021.
20. R. Anitha, S. Salman, Udyajit .A, K.S.Sirajuddin, " ESP8255 LORA Based IOT Smart Irrigation System with Smartphone", in *The Institution of Electronics and Telecommunication Engineers*, September 2021.

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1.	Mr. G. Kannan, Dr. K. Indra Gandhi	Industrial IoT: Development of Smart Cooler for Solder Paste Storage and Management	EUR 160.49	-	Springer,2022, Internet of Things and its Applications Select Proceedings of ICIA 2020	<a href="https://doi.org/10.1007/978-981-16-7637-6">https://doi.org/10.1007/978-981-16-7637-6</a>
2.	Dr. Kalaivani .S	Design and Implementation of a Monitoring System for COVID-19-Free Working Environment	-	-	Innovative Data Communication Technologies and Application. Lecture Notes on Data Engineering and Communications Technologies, vol 96. Springer, Singapore	<a href="https://doi.org/10.1007/978-981-16-7167-8_54">https://doi.org/10.1007/978-981-16-7167-8_54</a>
3.	Ms. R. Anitha, Dr. B. Vijayalakshmi, Ms. S. Anusooya, Dr. V. Jean Shilpa	Bernstein Vazirani and Deutsch Algorithm:Made Easy in Qiskit	-	-	Frontiers in Quantum Computing: New Research, Nova Publishers, June 2022	-
4.	Dr. P.K.Jawahar, Dr. K. Indra Gandhi, Mr. G. Kannan	Development of secured IoMT device with prioritized medical information for tracking and monitoring COVID patients in rural areas	\$160.00	-	IET publishers, pp.99-131, May 2022, ISBN 978-1-83953-437-9	-

5.	Ms. R. Anitha, Ms .S. Anusooya, Dr. V. Jean Shilpa	Real Time Hazardous Gas Classification and Management System Using Artificial Neural Networks	\$225.00	-	Wiley Publications, Human Communication Technology, Internet of robotic things and ubiquitous computing, 22 October 2021, ISBN-13 : 978-1119750598.	-
6.	Mr. Sadhish Prabhu, Dr. Parnasree Chakraborty	IoT-Based Smart Irrigation and Monitoring System in Smart Agriculture	-	-	Futuristic Communication and Network Technologies, pp 45-56, Springer Lecture Notes in Electrical Engineering book series (LNEE, volume 792), Online: 12 October 2021.	-
7.	Dr. Kaja Mohideen	Impact of AI and Machine Learning in Smart Sensor Networks for Health Care	-	-	Lecture notes on Smart Sensor Networks, Studies in Big Data , pp-51-70, vol 92. Springer Nature Switzerland, DOI 10.1007/978-3-030-77214-7_3.	-
8.	Dr. A. Priya	A Compact Vertex Fed Heptagon Monopole Antenna in a Wide Diamond Slot for UWB Applications	-	-	Springer Nature Singapore Pvt Ltd. 2021, Lecture Notes in Networks and Systems	<a href="https://doi.org/10.1007/978-981-15-7345-3_48">https://doi.org/10.1007/978-981-15-7345-3_48</a> .

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of the Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1.	Dr. A. Priya	Eight- Element MIMO (multiple inputs, multiple outputs) systems for compact 5G Mobile	202141059479 A :20/12/2021	04.02.2022	-	NIL
2.	Dr. B. Vijayalakshmi	Image Processing and Deep Learning Based Smart Tracking and Counting Vehicle	202241002464 A 15/07/2022	04.02.2022	-	NIL

➤ **Details of Impact Factor of the Publication and H-Index of the department**

- A) Impact factor Range : 0.1 - 3.88  
 B) Average Impact factor : 1.12  
 C) H - index of the department : 10  
 D) No. In Scopus : 8

➤ **Sponsored Research (Ongoing / Granted)**

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr. C. Tharini (PI) Professor, BSACIST Dr. Abhay Sachdev, (Co-PI)	DBT	Development of Automated Low-Cost Reader for Soil NPK Detection using	36 lakhs	-	-	-	Ongoing

	CSIR-CISO, Chandigarh		Printed Electrode with Integrated Android Application.					
2.	Dr. Parnashree, AP(Sr.Gr), & Dr.Ambika, AP(Sr.Gr), BSACIST	UBA	Solar Based Bird Bangers for Protecting the Chicks in Poultry Farm	50,000	-	-	50,000	Granted
3.	Dr. Parnashree, AP(Sr.Gr), BSACIST	Crescent Seed Money	AI enabled BP and Heart Rate Estimator from PPG Signal	15,000	-	-	15,000	Granted
4	Dr. Vanmathi, AP(Sr.Gr), BSACIST	Crescent Seed Money	Blind Navigation System	10,000	-	-	10,000	Granted
5	Dr. S. Kalaivani, AP(Sr.Gr), & Dr. Vijaylakshmi, Professor, BSACIST	Crescent Seed Money	IoT Based Health Monitoring System for Vital Signs	20,000	-	-	20,000	Granted
5	Dr. V. Jean Shilpa , AP & Mrs. R. Anitha, AP(Sr.Gr), BSACIST	Crescent Seed Money	Automated Refilling of Ink Cartridges in Printers Using Eco- Friendly Substitute	5,000	-	-	5,000	Ongoing

➤ **Details of new Research Laboratories Created**

S.No	Name of the Lab	Details of the Infrastructure		Value of Equipment procured in the Financial Year 2021-22 (Rs.)
		Land (sq.ft)	Construction Space (sq.ft)	
1.	ILOT Laboratory	1023	1023	1.5 Lakh



➤ **Details of the Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	Vector Signal Generator	Keysight	December, 2020	February, 2021	13,94,925/-
2.	Spectrum Analyser	Scientific	October, 2021	February, 2021	8,17,950/-

➤ **Achievements of Faculty & non-teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Mr. S. Sadhish Prabhu, AP (SG)	Gold Level Award- Top 10%	M/s. Wadhvani Foundation	June, 2022
2	Ms. B. Sivashanmugavalli, AP/ECE	Silver Level Award		
3	Mr. S. Sadhish Prabhu, AP (SG)	Global Jury Award		
4	Mr. A. Rameshkumar AP/ECE	Global Jury Award		
5	Ms. B. Sivashanmugavalli, AP/ECE	Global Jury Award		

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Aravind	21124201005	State level Invitation Men's singles tournament	ABBC, Cuddalore	April ,2022
2.	Mr. Mohammed Irshad S	190051601030	Best Batsman of the Tournament	City Premier League - Best Batsman of the Tournament - SVCE,Kanchipuram	March, 2022
3.	Mr. Mohammed Irshad S	190051601030	BEST BATSMAN	22 Yards Signature 1st Division match - Murugappa Cricket Ground,Chennai	May, 2022
4.	Mr. Mohammed Irshad S	190051601030	Star Player of the Tournament, Man of the Match, Winners	CCM Sports Center Cricket Tournament - Dravid The Wall Cricket ground,CCA,Chennai.	April, 2022
5.	Mr. Mohammed Irshad S	190051601030	Leading Run Scorer	Tamilnadu Cricket Association Inter Districts Tournament - Leading Run Scorer - PSG TECH, Coimbatore.	April, 2022
6.	Mr. Rishub C R	180051601059	He has Authored two Chapter 1.Medical records and 2.IT and auxiliary” of The book titled “Tech in Mind” .	BSACIST	May 2022
7.	Ms. S. Shirin Rafia	180051601072	She has authored the first two chapters of The book Titled “Tech in Mind”	BSACIST	May 2022

8.	Ms. Fazeela Yasmine H Ms. Nikitha G, Ms. Lilly Sheela I	170051601016 170051601017 170051601020	Completed the project titled "AI BASED Low-Cost 3D Scanner and 3D Printer for Industrial Applications" worth of Rs 30,013, funded under Crescent Seed money Scheme .	BSACIST	August 2021.
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### Placement Through Internships

S.No.	RRN	Name	Company Name
1.	170051601091	Mr. Visagan S	NOKIA
2.	170051601101	Ms.Fahima Jafeen A	NOKIA
3.	160051601080	Ms.Sumaiyah Tabasum I	NOKIA

### ➤ Details of the credit transfer through NPTEL/Swayam/MOOC courses

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1.	Ms. M.R. Anitha, Ph.D (Research Scholar)	200843104001	Deep Learning & 4 Credits	12 Weeks	B	July-October 2021

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of the development activity	Duration	Details of the Faculty and Student Participants	Objective	Outcome
1.	Branding of department through Social Media	Whole year	-	To improve admission	Both sections filled

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	Philips, Netherlands.	Technology Transfer	March, 2022	Completed		Dr. Vignesh Raja K R, Senior Research Scientist, Philips Research, Netherlands, delivered Partial course content for the course ECC2203 Communication theory and system on the topic "Industrial view on Electronics and Communication Technologies – Practical examples" for the benefit of UG on 17.03.2022
2.	Smart SOC solutions, Chennai	Collaborative Research	April, 2022	Ongoing		Mr. Kumaran. R, Senior Design Engineer, SmartSOC solutions, Chennai and Mr. Rahul Iyer, Associate Director, Samsung Semiconductor, Bangalore delivered partial course content for the course ECC3103 VLSI Design on the topic "Implementation of Communication Protocols In FPGA" for the benefit of UG students on 22.04.2022 & 23.04.2022.
3.	Airports Authority of India, Chennai	Technology Transfer	March 2022	Completed		Mr. Sulthan Syed Ibrahim H.S, Air Traffic Controller, Airports Authority of India, Lakshadweep delivered Partial course

					content for the course ECC3201 Microwave and Antenna theory on the topic “Microwave Antenna and Radar: Basics & Applications” by for the benefit of Second year, Third year UG students on 14.03.22
4.	Hitachi Energy india ltd	Technology transfer	November, 2021	Completed	Mr. Kumaran Radhakrishnan, Alumni( M.tech: 2015-2017),Research and Development Engineer,Hitachi Energy india ltd, Speaker for the guest lecture on “Opportunities for Graduates in VLSI Industry ” Conducted on 22.11.2021.
5.	Jasmin Infoteh Pvt.ltd., Chennai,	Collaborative research	August, 2021	Ongoing	Ms. Anupama Kumari, Alumni( Mtech: 2018-2020) ,System Engineer, Jasmin Infoteh Pvt.ltd., Chennai, Speaker for the online webinar on “ Automotive Embedded Systems” Conducted on 14.08.2021.

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	IE & IETE	Opportunities for Graduates in VLSI Industry on 23.11.2021	-	20	-	Mr. Kumaran .R, Senior Design Engineer,Smart SOC solutions, Chennai.	Current Trends In VLSI Industry	-

2.	IE & IETE	Certified Lab view Associate Developer (CLAD) on 21.03.22 - 20.04.22	3	18	-	Mr. Anish Kumar, Director, Aadhyaa Skills Research and Development	Labview Certification	-
3.	IE & IETE	Implementation of Communication Protocols in FPGA” on 22.04.2022 - 23.04.2022.	-	20	13	Mr. Kumaran .R, Senior Design Engineer, Smart SOC solutions, Chennai.	Programming Techniques	-
4.	IE & IETE	“Virtual Project EXPO 2022” on 11.06.2022	-	16	-	-	Projects	-

➤ **MoUs Signed**

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	WEGOT utility solutions, Chennai	MoU.	22	09	2021	6 placements, 30 student's internship and final year projects	Active MoU
2.	Flextronics Technologies (India) Private Limited (FTIPL), Chennai	MoU.	01	06	2021	Offer B. Tech in ECE to the eligible candidates (Employees who desire to study UG from Flextronics)	Active MoU

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of the Participants			Details of the beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	National Level workshop on Rural Entrepreneurship & Innovations	1	5	-	Students	18.02.2022 (2 hours)	Awareness about One district One Product Scheme and Farmer production organization
2.	Free medical camp	-	-	-	School students of Panchayat Union Middle School, Keerapakkam Village	22.04.2022	200 school students undergone medical investigation
3.	Special camp at Government High School, Karanai Puducherry Panchayat,	1	5	-	-	7 days (period of 16.03.2022 - 22.03.2022)	Created a way for individuals to live with that community for seven days and experience their conditions and problems. It gives chances for group living, collective experience sharing, and continual connection with the community.
4.	World Bicycle Day as a part of Azadi Ka Amrit Mahotsav on with the title "Fit	1	10	-	-	08.06.2022	To insist on physical and mental health fitness for students as well as energy

	India Freedom Rider Cycle Rally						conservation.
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➤ **Important Visitors**

S.No	Name of the visitor	Affiliation Details	Details of the visit (Date/duration & purpose)	Outcome
1.	Dr. Vignesh Raja K R,	Senior Research Scientist, Philips Research, Netherlands,	17.03.2022	Delivered Partial course content for the course ECC2203 Communication theory and system on the topic "Industrial view on Electronics and Communication Technologies – Practical examples"
2.	Mr. Kumaran. R	Senior Design Engineer, SmartSOC solutions, Chennai	22.04.2022 & 23.04.2022.	Delivered partial course content for the course ECC3103 VLSI Design on the topic "Implementation of Communication Protocols In FPGA" for the benefit of UG students.
3.	Mr. Rahul Iyer,	Associate Director, Samsung Semiconductor, Bangalore	22.04.2022 & 23.04.2022.	Delivered partial course content for the course ECC3103 VLSI Design on the topic "Implementation of Communication Protocols In FPGA" for the benefit of UG students.
4.	Mr. Sulthan Syed Ibrahim H.S,	Air Traffic Controller, Airports Authority of India, Lakshadweep	14.03.22	Delivered Partial course content for the course ECC3201 Microwave and Antenna theory on the topic "Microwave Antenna



				and Radar: Basics & Applications” by for the benefit of Second year, Third year UG students.
5	Mr. Kumaran Radhakrishnan, Alumni( M.tech: 2015-2017),	Research and Development Engineer,Hitachi Energy India Ltd.,	22.11.2021	Speaker for the guest lecture on “Opportunities for Graduates in VLSI Industry ”
6	Ms. Anupama Kumari, Alumni ( M.tech: 2018-2020),	System Engineer, Jasmin Infotech Pvt.Ltd., Chennai	14.08.2021.	Online webinar on “Automotive Embedded Systems”

## DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of the Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	Python 3.4.3	10.01.2022	30	IIT Bombay	16	1	-
2.	Arduino	05.01.2022	30	IIT Bombay	10	1	-
3.	Arduino	07.01.2022	30	IIT Bombay	4	1	-

### ➤ Details of Field visits/Industrial visits organized by the department

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem	Sec.	No. of Students					
1.	B.Tech	III V	- -	5 10	Dr. D. Najumnissa Dr. H. Kareemullah	Nokia Network Solutions (Virtual)	14.09.2021	The students were able to understand the technologies that connects people and things, combining network infrastructure, software and services, with advanced technologies for smart	Yes

								devices.	
2.	B.Tech	III V		5 10	Dr. D. Najumnissa Dr. G. Anitha Dr. H. Kareemullah	J.J. Leathers, Nallambakkam Village, Chennai 48	23.12.2021	The students were able to understand the tanning and chemical treatment of animal skins. The students experienced how water was treated and disposed.	Yes
3.	B.Tech	III V		5 10	Dr. D. Najumnissa Dr. H. Kareemullah	Meenakshi Medical College Hospital And Research Institute, Kancheepuram.	25.05.2022	The students were able to understand the imaging techniques by practically seeing its working.	Yes
4.	B.Tech	VIII	-	12	Dr. P.R. Hemavathy	ISRO, Trivandrum	12.05.2022 /FN	Students were able to understand the course 'Communication Engineering'.	Yes

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Global opportunities for Instrumentation Engineers	Webinar	18.06.2022	Nil	Mr. J.V.Parthasarathy, Pump Instrumentation Specialist, Ruhrpumpen India Pvt.Ltd	6	16	-	7
2.	Significance of Engineering Education	Webinar	4.06.2022	Nil	Dr. A. Abudhahir, Professor	6	10	-	21

	in the Modern world				(EIE), Director (IQAC) of BSA Crescent Institute of Science and Technology.				
3.	Importance of Instrumentation and Quiz programme for Crescent School students.	Seminar	13.05.2022	Nil	Department of EIE faculty and students.	5	10	4	25
4.	Alumni mentoring for the first year students	Seminar	18.02.2022	Nil	Mr. S. Rajkumar, Alumni 2001 batch; Mr. I. Raffik, Alumni 2013 batch.	6	35	-	-
5.	Industrial Air Pollution Monitoring and Employment Opportunities	Webinar	05.02.2022	Nil	Mr. C. Balasubramanian, Managing Director, Envea- India.	10	25	--	--
6.	Industry 4.0 and Digital Industrial Technologies	Online inauguration of SEIE and keynote address	12.11.2021	NIL	Mr. Yousuff Jakkariya (Alumni, 1999 batch), Director of Operations, DPS Group Global, Singapore.	7	50	-	-
7.	Exploring Careers in Computer Aided Engineering	webinar	08.10.2021	Nil	Ms. Caroline Nathan, DOW IEC, Chennai.	06	35	--	--

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of the financial support received from Institution	Remarks
1.	Exploring Careers In Computer Aided Engineering	08.10.2021	2000.00	-
2.	Precision + (Symposium)	10.05.2022	25000.00	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of the Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. D. Najumnissa Jamal	Quality Assessments and Accreditation in HEIs	Two Day National Level online workshop	27/06/2022 - 28/06/2022	Sathyabama Institute of Science and Technology	NIL
2.	Dr. D. Najumnissa Jamal	Electric vehicle Design using MATLAB SIMULINK	30 days Master class course	20/06/2022 - 19/07/2022	Pantech E Learning PvtLtd., Chennai	NIL
3.	Dr. H. Kareemullah	“Multiple Object Detection and Segmentation for Remote Sensing Images”	IEEE Sponsored Second International Conference	21/02/2022 - 22/02/2022	Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT)	NIL

					2022)	
4.	Dr. J. Susai Mary	Industrial Automation using PLC programming	FDP	07/02/2022 - 11/02/2022		NIL
5.	Dr. D. Najumnissa Jamal	Machine Learning for AI	MOOC certification	December, 2021 - January, 2022	University of London	NIL
6.	Dr. H. Kareemullah	Application of MATLAB, Control System, Image Processing and Fuzzy Logic Tool box	Short Term Training Programme	27/12/2021 - 31/12/2021	NITTTR (kolkatta)	NIL
7.	Dr. H. Kareemullah	Renewable Energy Sources and Emerging Technologies	Short Term Training Programme	20/12/2021 - 24/12/2021	NITTTR (kolkatta)	NIL
8.	Dr. H. Kareemullah	IoT using Raspberry PI	Workshop	3/12/2021 - 4/12/2021	Pantech E-learning Pvt.Ltd	NIL
9.	Dr. D. Najumnissa Jamal	Waste Technology - Energy Conversion And Utilization	Online FDP	08/11/2021 - 12/11/2021	AICTE (ATAL Academy)	NIL
10	Dr. H. Kareemullah	Electrify Everything	Webinar	08/10/2021	St. Josephs College of Engineering	NIL
11	Dr. H. Kareemullah	EV design using Matlab	30 days Master class course	23/8/2021 - 21/9/2021	Pantech E-learning Pvt.Ltd	NIL
12	Dr. P.R.Hemavathy	Recent Trends in Control System Engineering	Online Elementary FDP	23/08/2021 - 27/08/2021	Chhatrapati Shivaji Institute of Technology [AICTE Training And Learning (ATAL) Academy]	NIL
13	Dr. H. Kareemullah	Substation Automation Systems	Workshop	18/08/2021	V equal IR T&C services, Chennai.	NIL

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
4	-	3	-	-	-	3	-	10

➤ **Details (list) of the Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**c) SCI/Scopus Indexed Journal**

1. M.S. Murshitha Shajahan, D. Najumnissa Jamal, Joy Mathew, Ahamed Anas Ali Akbar, Ajithraj Sivakumar, Mohamed Shaheen Shahul Hameed, "Improvement in Efficiency of Thermal Power Plant Using Optimization and Robust Controller", *Case Studies in Thermal Engineering*, Elsevier Publications, Vol 33, March, 2022.
2. Aparna. V and D. Najumnissa Jamal, Real-time implementation of QFT, GA, and BFTPSO Controller for pH Neutralization System, *Journal of Applied Research and Technology*, Vol. 19, No. 3, pp 263-278, October, 2021

**d) Other journals**

1. P. Sadasivam, D. Najumnissa Jamal, An Enhanced Electroporator Design for Pulse Generation, *Engineering, Technology & Applied Science Research*, Vol. 11, No. 5, pp7610-7614, 2021 (Web of Science)

### **International Conference**

1. Parnasree Chakraborty, S. Syed Rafiammal, Tharini.C, D. Najumnissa Jamal, Influence of Bias and Variance in Selection of Machine Learning Classifiers for Biomedical Applications, *Springer 2nd International Conference on Smart Data Intelligence (ICSMDI 2022)*, 11–12, April 2022, organized by Kongunadu College of Engineering and Technology, Trichy.
2. D. Najumnissa Jamal, S Vijayalakshmi, A Paramasivam, R Karthikha, Y Mohamed Shuaib, Analysis of Deep Learning Algorithms for Intelligent Plant Disease Identification, *IEEE Second International Conference on Artificial Intelligence and Smart Energy (ICAIS 22)*, held on 23-25, February 2022, organized by JCT College of Engineering and Technology, Coimbatore.
3. H Kareemullah, P Nirmal Kumar, Deepa Jose, P Meenakshi, Multiple Object Detection and Segmentation for Remote Sensing Images , *Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)*, during 21-22, February 2022, organized by Shri Shankaracharya Technical Campus (SSTC), Bhilai, Chhattisgarh, India.

### **National Conference:**

1. Ayisha Sheerin S, Mohammed Ishaq J, Gowri Sravan U, M.S. Murshitha Shajahan and D Najumnissa Jamal, Design of Biogas Sensor, *6<sup>th</sup> National Conference on Recent Trends in Instrumentation and Control (RTIC –2022)*, during 27.5.2020 to 28.5.2022, Organized by Department of Instrumentation Engineering, MIT Campus, Anna University.
2. Joy Mathew, Murshitha Shajahan, Jennathu Beevi, D Najumnissa Jamal, Design of Fractional Order Controller for Thermal Power Plant Process, *6<sup>th</sup> National Conference on Recent Trends in Instrumentation and Control (RTIC –2022)*, during 27.5.2020 to 28.5.2022, Organized by Department of Instrumentation Engineering, MIT Campus, Anna University.
3. M.Z. Mohamed Irfan, A. Tejas, D. Najumnissa Jamal , M.S. Murshitha Shajahan, Study of Tube Leakage of a Boiler Prototype using Saw Filter and Intelligent Techniques, *Proceedings of AICTE Sponsored Online National Conference on Recent Advancements In Electrical, Electronics and Instrumentation*, organized by Murugappa Polytechnic College on 26-27, August 2021, pp 81 – 85.



4. K. Saiabirami, S. Aboobakar Sidque, M.S. Murshitha Shahjahan, D. Najumnissa Jamal, IOT based Current Measurement System, Proceedings of AICTE Sponsored Online National Conference on Recent Advancements In Electrical, Electronics and Instrumentation, organized by Murugappa Polytechnic College on 26-27, August 2021, pp 100 – 107



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2.

**ABOUT THE COLLEGE**  
 Murugappa Polytechnic College was started in August 1957, as a Government aided polytechnic by 1956 Charter Trust in the memory of Dewan Bahadur AM Murugappa Chettiar. The institution is situated on a 12.5 hectares campus in the western part of Chennai on the Chennai - Tiruvallur High Road and is affiliated to the Tamil Nadu State Board of Technical Education. Murugappa Polytechnic College is a Government Aided Co-education Institution, Academically Autonomous and Offering NEA Accredited Diploma Courses. The Vision of the Institution is to be World Class Institution by imparting Quality Education & Training of International Standards in Engineering and Technology through Continuous Improvement, Team Work, Growth and Innovation.

**ABOUT THE DEPARTMENT**  
 The Department of Electrical and Electronics Engineering was established in the year 1957. The Sandwich Diploma Course in Electrical and Electronics Engineering was started in 1971. The Department of Electronics and Communication Engineering was started in the year 1981 with Sandwich course under Government of India (GOI) support. Diploma course in Electronics and Communication Engineering Regular was started in the year 2003. The Department of Electrical and Electronics Engineering & The Department of Electronics and communication Engineering are Accredited by National Board of Accreditation (NBA & AICTE). The Department offers diploma courses in two streams. Regular stream of 3 years duration & sandwich stream of 3 1/2 years duration.

**ABOUT THE CONFERENCE**  
 Our National Conference on Recent Advancements in Electrical, Electronics and Instrumentation Engineering (NCRAEEF 2021) aims to bring together the Scientists, Scholars, Engineers, Industryists and Students in India to present and share their knowledge and experience on the ongoing research activities and hence to

foster research relations between colleges and industries. This conference provides opportunities for the delegates to exchange new ideas, insights, applications and experiences, to establish research relations and to find global partners for collaborations and to solve future problems in the field of Electrical, Electronics and Instrumentation Engineering.

**IMPORTANT DATES**  
 Full Paper Submission Starts : 10<sup>th</sup> June 2021  
 Full Paper Submission Closes : 09<sup>th</sup> July 2021  
 Notification of Acceptance : 29<sup>th</sup> July 2021  
 Camera Ready Paper : 09<sup>th</sup> August 2021

**REGISTRATION LINK**  
<https://forms.gle/TorukPisB49k3ca9>


**WEBSITE LINK**  
<https://aictes.aunafic.com/view/acraee2021>

**REGISTRATION FEE**  
 Diploma Students : Rs.200/-  
 UG / PG Student's : Rs.400/-  
 Academicians : Rs.600/-  
 Industry Person : Rs.1000/-  
 ICERT Authors are exempted from payment of Registration fee (on submission of copy of valid Community Certificate).

**PAYMENT DETAILS**  
 The payments should be made in Online Mode only.

Account Name : Murugappa Polytechnic College  
 Account Number : 91901004529430  
 Bank Name : Axis Bank  
 IFSC Code : UTBI00000676  
 Account Type : Savings Account  
 Branch : B.A. Puram

**MURUGAPPA POLYTECHNIC COLLEGE CHENNAI 600062**



Department of Electrical and Electronics Engineering & Department of Electronics and Communication Engineering

cordially invites you all to present your findings in

**AICTE Sponsored Online National Conference on Recent Advancements in Electrical, Electronics and Instrumentation (NCRAEEF 2021)**

On 26<sup>th</sup> & 27<sup>th</sup> August 2021

**CHIEF PATRON**  
 Thiru. MM Murugappan,  
 Correspondent, Murugappa Polytechnic College,  
 Chennai.

**PATRON**  
 Dr. K.Sudhagar,  
 Principal, Murugappa Polytechnic College,  
 Chennai.

**CONVENORS**  
 1. Mr. M.Suresh, Department In-charge/EEE,  
 2. Mr. E.Senthil Velmaragan,  
 Department In-Charge/ECE.

**CONFERENCE SECRETARIES**  
 1. Mrs. S. Divyabhavathi, Lecturer/EEE,  
 2. Mrs. C. Balysalomee Chandra,  
 Lecturer/EEE,  
 3. Mrs. G. Gayathri, Lecturer/ECE,  
 4. Mrs. S. Divya, Lecturer/ECE.

**ADVISORY COMMITTEE MEMBERS**

1. Dr. Sanku Baskaran, Professor, Information Technology, Pondicherry Engineering College, Puducherry.
2. Dr. G. Umayal, Associate Professor, School of Electrical Engineering, VIT University, Chennai Campus, Vandalur, Kelambakkam Road, Chennai.
3. Dr. D. Shiloh Elizabeth, Assistant Professor (SI. Ge), Department of Computer Science & Engineering, Anna University, Chennai.
4. Dr. Adish Bindal, Sensor Lecturer, Department of ECE, Govt. Polytechnic College, Ambala City, Haryana.
5. Mr. R. Senthil Kumar, Chief Manager/ Electrical, NLC India Ltd, Neyveli.
6. Mr. W. Jayaseelan, Assistant Executive Engineer, TANTRANSOCO INEB Limited, Chennai.

**CALL FOR PAPER**  
 Original research papers are invited from Academicians, Research Scholar, PG, UG & Diploma students and Industrial experts. The original contributions from the authors which are not already submitted or published elsewhere are invited.

**The scope of the conference includes, but not limited to**  
 • IEC, SCADA, Based Systems  
 • Power Electronics and Drives  
 • Power System and Smart Grids  
 • Neuro Fuzzy logic  
 • Power Plant Instrumentation  
 • Non Conventional Energy Resources  
 • Analog and digital circuit design  
 • RF and Microwave Engineering  
 • Optical Networks & communication  
 • Information systems and network security  
 • Remote sensing and satellite communication  
 • VLSI emerging trends  
 • Bio Informatics  
 • Mechatronics & Avionics  
 • Machine Learning & Virtual Instrumentation  
 • Robotics and Automation Systems  
 • Intelligent Instrumentation  
 • Measurement in Biomedical and Healthcare Systems  
 • Micro and Nanotechnology for Instrumentation  
 • Real-Time Measurement Systems  
 • Optical and Fibre Optic Measurement Systems  
 • Sensors and Transducers

**INSTRUCTIONS TO AUTHORS**

1. The Author should present the paper in online Mode.
2. At least one author must register for this conference.
3. If the Number of Authors are more than two, then certificate charges of Rs. 300 / Author should be paid Extra.
4. All Authors will receive photocopy of the certificate and a proceedings through mail.
5. Authors are welcome to submit complete Papers not exceeding seven pages (content should be in IEEE format).
6. All communication will be shared through Email and WhatsApp.

**All the accepted papers will be published in the Conference proceedings with ISBN number and selected papers will be recommended to be published in UGC Approved Journals with ISSN Numbers.**

**EMINENT SPEAKER**  
 Dr. Mohamed Khan Akhbar Shamed Khan,  
 Assistant Professor, Faculty of Engineering,  
 Technology and Built Environment, UCSI  
 University (Kuala Lumpur Campus), Malaysia.

**SESSION CHAIRS**

1. Dr. G.A. Rathy, Associate Professor, Electrical and Electronics Engineering Department, National Institute of Technical Teachers Training and Research (Under MHRD, GOI), Tanaman, Chennai.
2. Dr. P. Sivasankar, Associate Professor, Electronics Engineering Department, National Institute of Technical Teachers Training and Research (Under MHRD, GOI), Chennai.
3. Dr. D. Najumissa, Professor/Electronics and Instrumentation Department, Dean, School of Electrical and Communication sciences, S.S.A Crescent Institute of Science and Technology, Chennai.
4. Mr. M. Ganesh, Managing Director, M/s Pulsar, Thiruvudiyakkam, Chennai.
5. Mr. D. Loganathan, Managing Director, M/s Acunil Weighing scale Manufacturing Industries, Ambur Industrial Estate, Chennai.
6. Mr. K.S. Rameesh, Selection Grade Engineer I Gr. SCADA Maintenance TANTRANSOCO, Chennai.

**For Queries Contact :**  
 Email: acraee21@gmail.com.  
 Mobile: 9443473051/7200010187

➤ **Book(s) Published:**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1.	Dr. J. Susai Mary	Handbook of Smart Materials, Technologies, and Devices Applications of Industry 4.0	-	-	Springer Nature Switzerland AG; 1st ed. 2022 edition (15 June 2022)	Available
2.	Dr. H. Kareemullah	Feature Extraction and Classification of Machine Learning	280	-	INSC International Publishers	Available in Flipkart

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of the Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. M.S. Murshitha Shajahan, Dr. D. Najumnissa Jamal.	Effective Weather Prediction for smart Agriculture using Deep Learning	-	13.05.2022	-	Nil

➤ **Sponsored Research (Ongoing / Granted)**

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Principal Investigator: Dr. D. Najumnissa Jamal, Prof &Head / EIE  Co-Principal Investigators: Dr. M.S.Murshitha Shajahan, AP(SG) / EIE Dr.S.Shamshath Begum, AP(SG) / Polymer	BSACIST	Design of Biogas Sensor	50,000	50,000	15,000	35,000	ongoing

➤ **Details of the Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	PLC Training Panel	ABB & India	25.03.2022	17.05.2022	7,86,500
2.	Desk top	HP 380	21.06.2022	12.9. 2022	3,96,375

➤ International Visits by Faculty / Students

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country	Purpose	Period	Outcome
1.	Mr. Varshan Mohan, final year EIE	University of Regina	Canada	A MITACS Global link Research Internship	June 2021 to October 2021	Research on AI in plant disease
2.	Mr. Joy Mathew, final year EIE	GITEX 2021	Dubai, UAE	Participated at Formula Bharat 2021, being the chief business electronics developer gave the business pitch and	9.10.2021 - 21.10.2021	Won 26 <sup>th</sup> Place for business pitch and won 2 nd place at Uniprenuer GITEX 2021



2021-04-17  
 Application ID: 91686

**GLOBALINK RESEARCH INTERNSHIP AWARD  
 DISBURSEMENT INFORMATION AND PLACEMENT TERMS AND CONDITIONS**

Dear VARSHAN MOHAN,

Congratulations! You have been selected by Mitacs and wei peng from University of Regina – Regina to receive a 2021 Globalink Research Internship award. This award is jointly funded by Mitacs and the All India Council for Technical Education (AICTE). You are therefore invited to participate in a research project at University of Regina – Regina. Pursuant to an agreement with University of Regina – Regina, Mitacs will administer your funding grant.

Mitacs Globalink Research Internship is a competitive program that pairs top-ranked international students with specific research expertise with faculty at Canadian academic institutions for a twelve (12) week research project of mutual interest between May and October. You have been selected by your Canadian host faculty project leader due to your background and skills in the research area and the unique contribution you will be making to the research during your internship. The skills required for your role (as described in the research description below) were found to clearly match your skills set, education, and research experience.

**Research internship details**

**University/Institution:** University of Regina – Regina  
**Host Professor:** wei peng  
**Research Project Title:** A Framework to Deal Efficiently with Uncertainty in Systems using Rough Sets, Fuzzy Logic, and ANNs  
**Research Description:** One of the most difficult issues for studying a complex system is the capability to deal efficiently with its uncertainty: in the systems parameters, and/or its response (output). In general, a complex system includes some uncertain factors that are highly correlated, leading to redundant attributes that do not facilitate the representation of the system characteristics. To select the most discriminating attributes, some approaches can be introduced, such as Artificial Neural Networks (ANNs), Bayesian classifiers, Genetic algorithms, Decision trees, and Fuzzy theory. However, Rough-set theory normally has an advantageous ability to deal with uncertainty and vagueness, because it only analyzes the underlying facts hidden in data and can find a minimal knowledge representation. In addition, rough-set theory does not need additional information, such as the probability distribution normally used in statistical techniques, or grade thresholds of the membership functions as in Fuzzy-Set Theory. The proposed research envisions a framework for dealing efficiently with uncertainty in various complex systems by a proper integrated approach that includes Rough Sets, Fuzzy Logic, ANNs, Statistical methods, and Probability technologies. The proposed framework firstly uses a serial of statistical methods to filter noise from the collected data of a complex system. Then a rough-set technique is used to extract fundamental attributes from an entire data base of the complex system. The degree of uncertainty of a complex system is extremely reduced by these fundamental attributes information. Afterwards, it is possible to use Fuzzy Logic and/or ANNs techniques to conduct a classification for the relevant system characteristics.

- Montreal, QC**  
435 Avenue Ogilvy  
Bureau 101  
Montreal, QC H2M 1K6
- Ottawa, ON**  
24 Sparks Street  
Suite 380  
Ottawa, ON K1P 5A9
- Toronto, ON**  
Bearing Institute, University of Toronto  
522 – 100 College Street  
Toronto, ON M5S 1L5
- Vancouver, BC**  
Suite 201 – 8190 Agness Road  
University of British Columbia  
Vancouver, BC V6T 1Z3

**MITACS Globalink  
 CERTIFICATE OF COMPLETION**

**VARSHAN MOHAN**

This certifies that VARSHAN MOHAN has successfully completed a Mitacs Globalink Research Internship effective October 2021.

**Project Title:** A Framework to Deal Efficiently with Uncertainty in Systems using Rough Sets, Fuzzy Logic, and ANNs  
**Host University:** University of Regina – Regina  
**Host Professor:** wei peng

Globalink Research Internships are 12 weeks in duration and interns are required to work 40 hours per week.

October 10th, 2021

Gail Bowkett  
 Vice President of Programs



➤ **Achievements of Faculty & non teaching staff**

<b>S.No</b>	<b>Name of the Faculty/ non teaching Staff</b>	<b>Type of recognition/Award</b>	<b>Details of Awarding organization</b>	<b>Month &amp; Year</b>
1.	Dr. D. Najumnissa Jamal, Prof. / EIE	Certificate of Excellence	For reviewing in outstanding contribution to the quality of the Current Journal of Applied Science and Technology	April, 2022
2.	Dr. D. Najumnissa Jamal, Prof. / EIE	Certificate of Excellence	For reviewing in outstanding contribution to the quality of the Asian Research Journal of Arts & Social Sciences	January, 2022
3.	Dr. G. Anitha, AP(Sel.Gr)/EIE	Elite	NPTEL	April, 2022
4.	Dr. P.R.Hemavathy, AP(SG)/EIE	Elite	NPTEL	April, 2022
5.	Dr. J. Susai Mary, AP/EIE	Elite	NPTEL	April, 2022
6.	Dr. D. Najumnissa Jamal, Prof. / EIE	Academic Category (1988 - 1998)	BSA Crescent Alumni Association	18.12.2021
7.	Dr. D. Najumnissa Jamal, Prof. / EIE	Mayilai Seeni Venkata sami Teaching Excellence Award	International association of Lions Clubs, District 324M – 2021-22	19.09.2021
8.	Dr. D. Najumnissa Jamal, Prof. / EIE	Research Incentive award	B.S.A.R. Crescent Institute of Science and Technology	5.09.2021
9.	Dr. D. Najumnissa Jamal, Prof. / EIE	Certificate of appreciation for participating in the Faculty award, 2021	B.S.A.R. Crescent Institute of Science and Technology	5.09.2021









**Elite**

**NPTEL Online Certification**  
 (Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ANITHA G**  
 for successfully completing the course

**Introduction to Machine Learning (Tamil)**

with a consolidated score of **69** %

Online Assignments	18.67/25	Proctored Exam	49.88/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **310**

Jan-Feb 2022  
(4 week course)
  
Prof. Anand Thangaraj  
Director, NPTEL, Chennai

Ref No: NPTEL22CS58S43314218 To validate and check scores: <https://nptel.ac.in/icc>

**Elite**

**NPTEL Online Certification**  
 (Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR J SUSAI MARY**  
 for successfully completing the course

**Chemical Process Instrumentation**

with a consolidated score of **67** %

Online Assignments	21.56/25	Proctored Exam	45/75
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Total number of candidates certified in this course: **42**

Jan-Apr 2022  
(12 week course)
  
Prof. Debjani Chakraborty  
Director, NPTEL, Kharagpur

Ref No: NPTEL22CI35S34464344 To validate and check scores: <https://nptel.ac.in/icc>

**Elite**

**NPTEL Online Certification**  
 (Funded by the MoE, Govt. of India)

This certificate is awarded to  
**HEMAVATHY P R**  
 for successfully completing the course

**Chemical Process Instrumentation**

with a consolidated score of **65** %

Online Assignments	21.88/25	Proctored Exam	43.5/75
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Total number of candidates certified in this course: **42**

Jan-Apr 2022  
(12 week course)
  
Prof. Debjani Chakraborty  
Director, NPTEL, Kharagpur

Ref No: NPTEL22CHE35S34466514 To validate and check scores: <https://nptel.ac.in/icc>

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Mohammed Irfan	190061601006	The work done is available at <a href="https://esim.fossee.in">https://esim.fossee.in</a> .  Won a cash award of Rs 2000	This was an initiative of the FOSSEE (Free / Libre and Open Source Software in Education) Project, IIT Bombay in association with VLSI System Design Corp. Pvt. Ltd. and Redwood EDA.	March, 2022
2.	Mr. Joy Mathew	-	Participated at Formula Bharat 2021, being the chief business electronics developer gave the business pitch and won 26th place, won 2 nd place at Uniprenuer GITEX 2021	Dubai Expo 2021	17.10.2021-21.10.2021



➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of the development activity	Duration	Details of the Faculty and student participants	Objective	Outcome
1.	Dr. D. Najumnissa Jamal, Resource person	7.10.2021 AN	200 participants from all over India	ATAL programme Artificial Intelligence Applications in Medical Diagnosis	Intelligent Systems for Epilepsy Seizure Detection
2.	Dr. D. Najumnissa Jamal, Session Chair	26.08.2021 & 27.08.2021	200 participants from South India	AICTE Sponsored Online National Conference on Recent Advancements In Electrical, Electronics and Instrumentation, organized by Murugappa Polytechnic College	Suggestions given for improvement of the paper presentations

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	SEIE	Precision + (Symposium)	6	90	-	Mr.C.Balasubramanian, General Manager, Envea India Pvt Ltd.	Students were able to know the recent developments in the field of Engineering	Students from BSACIST, various colleges, universities participated and gave positive feedback.

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of the Participants			Details of the beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Collected and donated the clothes, books and other utility items for the Backward community college students – AMC Hostel	3	16	-	40	13.6.2022	Giving to charity strengthens personal by introducing students to the importance of generosity.



## **SCHOOL OF INFRASTRUCTURE**

## **DEPARTMENT OF CIVIL ENGINEERING**

## DEPARTMENT OF CIVIL ENGINEERING

### ➤ Details of Field visits / Industrial visits organized by the department

S.No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	B.Tech. Civil Engineering Final year	VII	-	39	Dr. Nisha Khanam and Mr. B.Kannadasan	Idukki Arch Dam, Cochin Port, Wonderla Sewage Plant	04.06.2022 - 07.06.2022	The students gained the knowledge related to Spillways infiltration gallery, hydroelectric power generation, Shipyard, water treatment process	No
2.	M.Tech. Structural Engg. First year	II	-	19	Ms. Ayisha Siddiqua	Ascendas IT Park	30.05.2022	The students gained the knowledge of Green buildings Construction using various green materials available and also about the Green Building accreditation by USGBC or IGBC	No
3.	M.Tech. CEPM First year	II	-	16	Mr. A. Sheik Farid	"EXCON"- Largest construction equipment event in South Asia	20.05.2022	The students gained knowledge on various construction equipment presently being used in industry and got awareness about working of various earth moving,	No



								material handling equipment and first-hand information of the functions and processes.	
4.	M.Tech. CEPM First year	II	-	16	Dr. P. Vasanthi and Mr. B. Kannadasan	L&T Heavy Civil Infrastructure IC, HR-Training team & Tunneling Excellence Academy (TEA), Kanchipuram	19.04.2022	The students gained the knowledge on tunneling techniques and advanced Construction machinery.	No
5.	B.Tech. Second year	IV	-	36	Dr. K. Yogeswari and Mr. A. Sheik Farid	Auroville - Pondicherry	24.03.2022	The students gained knowledge about architecture of Matrimandir and infrastructure management	No
6.	M.Tech. CEPM Second year and M.Tech. Structural Engg. Second year	III	-	13	Dr. K. Yogeswari and Mr. A. Sheik Farid	Atal Tunnel (Himachal Pradesh) under AICTE YUVAK scheme	23.09.2021-02.10.2021	The students learned many Technical things about construction of Atal Tunnel and visited many other tunnels Constructed by NHAI between Chandigarh & Manali	No



**ASCENDAS, CHENNAI visited on 30.05.2022**



**EXCON, BANGALORE visited on 20.05.2022**



**AUROVILLE, PONDICHERRY visited on 24.03.2022**



**ATAL TUNNEL VISIT, HIMACHAL PRADESH visited during  
23.09.2021 to 02.10.2021**

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S.No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Civil Engineers and Economic Growth of India for our Future Engineers	Webinar - Engineer's day celebration	15.09.2021	-	<b>Dr.C.Velan</b> , City Head – Chennai Operations, CapitaLand India Chennai	52	3	-	-
2.	Career Opportunities for Civil Engineers	Webinar	-	-	<b>Mr.N.G. Muralidharan</b> , Consultant & Distributor for India, Radcrete Pacific Pty Limited, Australia	84	8	-	-
3.	Entrepreneurial Skill Development & Start-ups on Geospatial Applications	Webinar	12.10.2021	-	<b>Mr.T.Rajesh</b> Technical Director & Business Development Manager,Geo Lightning services, Tamilnadu, India	-	1	57	18
4.	Site Investigation and Soil Exploration for Geotechnical Design	Workshop	09.11.2021 to 11.11.2021	-	<b>Mr.A.Karthikeya</b> , Proprietor, M/s. Karthikeyan Associates Chennai. <b>Mr. Kodi Rangaswamy</b> Associate Professor, Department of Civil Engineering, NIT, Calicut. <b>Mr. Anil Joseph</b>	5	-	-	70

					<p>Managing Director,          Geostructurals Private          Limited Kerala</p> <p><b>Mr. M. Muttharam</b>,          Professor &amp; Head CEG,          Anna University, Chennai.</p> <p><b>Mr. B. Arun</b>, Assistant          Executive Engineer,          TNPWD, Chennai.</p> <p><b>Mr. S. Balakumar</b>, Senior          Consultant, Simplex          Infrastructures Limited,          Chennai.</p> <p><b>Mr. G. Srinivasa Rao</b>,          Chief Engineer          (Geotechnical), Saipem          India Projects Limited,          Chennai</p>				
5.	Entrepreneurial Skill on Geospatial Data Management	Training Programme	23.02.2022 25.02.2022	–	<p><b>Dr.G.P. Ganapathy</b>,          Professor&amp; Director,          Centre for Disaster          Mitigation and          Management, Vellore          Institute of Technology,          Vellore</p> <p><b>Dr. Pennan Chinnasamy</b>,          Assistant Professor, IIT          Bombay, Director - Rural          Data Research and          Analysis (RuDRA) Labs</p> <p><b>Ms. K. Kanmani</b>,          Assistant Professor,          BSACIST</p>	-	1	118	39

					<p><b>Dr. M. Sivakumar,</b> Project Scientist, Institute of Remote Sensing, Anna University</p> <p><b>Mr. T. Rajesh,</b> Technical Director &amp; Business Development Manager, Geo Lightning Services,</p> <p><b>Mr.B. Kannadasan,</b> Assistant Professor, BSACIST</p> <p><b>Mr. S. Rajesh Kumar,</b> Director, Technical Sales, TechApps Consulting, Bentley Channel Partner</p> <p><b>Dr. Iyappan Lakshmanan,</b> Principal Consultant, Magendhiran Consultancy Services</p>					
6.	Water Resources Management delivered during World Water Day – 2022	Guest Lecture	22.03.2022	-	<b>Mr. R. Ramachandran,</b> Superintending Engineer (Retd), PWD, Madurai,	10	90	-	-	
7.	usage of National Instrument- DaQ system. (Data Acquisition system)	Workshop	04.04.2022	-	<b>Mr. Rajasekaran V,</b> Application Engineer at Innovative Invaders Technology	2	10	-	-	

8.	Opportunities about Higher Education Abroad	Guest Lecture	06.04.2022	-	<b>Mr. George</b> , Consultant from Jamboree Education Limited, Chennai,	1	40	-	-
9.	Career Opportunities and Employability for Civil Engineers	Guest Lecture	08.04.2022	-	<b>Mr. A. Selva Kumar</b> , Construction Executive Trainer, Pareto Engineers Training Academy, Chennai	4	52	-	-
10.	Students Chapter of Indian Plumbing Association	Inauguration	12.04.2022	-	<b>Mr. Joseph Mathew</b> the Chairman of IPA Chennai chapter <b>Dr. S Virappan</b> National Executive Committee Member, <b>Mr. J Shankar</b> Joint Secretary and advocacy committee member and <b>Mr. Ramanathan</b> member of IPA	10	72	3	-
11.	An overview of Asia's longest coal jetty at Udangudi 2X660MW Super Critical Thermal Power Project	Guest Lecture	18.04.2022	-	<b>Mr. G. Jayarajan</b> , Superintending Engineer/Civil at Udangudi Thermal Power Project – TANGEDCO and Vice President, TNEBEA	3	40	-	-
12.	"STADD PRO"	Workshop	19.04.2022 - 20.04.2022	-	<b>Mr. N. Pradeep</b> , BIM Manager, Denovo Solutions, Chennai	2	-	-	10
13.	"BIM SOFTWARE"	Workshop	21.04.2022 - 22.04.2022	-	<b>Mr. N. Pradeep</b> , BIM Manager, Denovo Solutions, Chennai	3	-	-	10
14.	Soil Investigation and Site	Workshop	26.04.2022 -	-	<b>Dr. V Balakumar</b> , Senior Consultant, Simplex	3	-	-	40

	Exploration Techniques”		27.04.2022		Infrastructures limited, Chennai <b>Mr. Karthikeyan A</b> , Proprietor, from M/s. Karthikeyan Associates, Chennai <b>Dr. P. Vasanthi</b> , Professor, Dean /SOI, BSACIST				
15.	GIS Software	Workshop	06.05.2022 - 07.05.2022	-	<b>Dr. P. Vasanthi</b> , Professor, Dean /SOI, BSACIST <b>Dr. K. Yogeswari</b> , Professor, BSACIST <b>Ms. K. Kanmani</b> , Assistant Professor, BSACIST  <b>Mr. B. Kannadasan</b> , Assistant Professor, BSACIST	5	-	-	75
16.	Impact of Solid Waste Management & Positive Effects of Source Segregation on an Individual & Community	Webinar	18.05.2022	-	<b>Ms. Ann Alexia Anra'</b> Sustainable Consultant, M/s Wasted 360 Solutions	30	200	-	-
17.	Coordinates Based Land Survey	Guest Lecture	23.05.2022	-	<b>Mr. A. Selvam</b> , General Manager at M/S. Land Coordinates Technology	3	38	-	-
18.	“Green Built Environment – Need of The Hour”	Webinar	26.05.2022	-	<b>Dr C. Velan</b> , City Head at CapitaLand, Chennai Operations.	1	18	-	-

19.	CIVICLAN 2022	Symposium	02.06.2022	-	<b>Dr. Colonel P.Nallathambi</b> Ph.D (Structural Engg.)/Principal Structural Consultant, Sakthi Consultancy Private Limited, Chennai	18	100	-	82
20.	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022 - 16.06.2022	-	<b>Prof. Dr. M. Arockiasamy</b> Professor & Director, Centre for Infrastructure & Constructed Facilities Florida Atlantic University Florida, USA  <b>Dr. Abdul Mannan</b> Professor Department of Civil Engineering Universiti of Malaysia Sarawak  <b>Dr. Che Khairil Izam Che Ibrahim</b> Associate Professor Faculty of Civil Engineering Universiti Teknologi Mara Malaysia  <b>Dr. Hameed Sulaiman</b> Associate Professor Department of Environmental Science Sultan Qaboos University Oman  <b>Dr. M. Santanu</b>	12	20	20	90



					<p>Assistant Professor,          School of Agriculture          Shoolini University          Himachal Pradesh, India</p> <p><b>Dr. Gauravdatt Basutkar</b>          Scientific Assistant,          Technical University of          Braunschweig          Germany</p> <p><b>Mr. Mohamed Shafiq</b>          Melton City Council,          Melbourne, Australia</p> <p><b>Dr. Dipanjan Basu</b>          Professor, Department of          Civil and Environmental          Engineering University of          Waterloo          Canada</p> <p><b>Dr. Arun Chandramohan,</b>          Professor from National          Institute of Construction          Management and          Research, Hyderabad</p>				
21.	The Institution of Engineers – Students Chapter	Inauguration	30.06.2022	-	<p><b>Dr.T.M. Gunaraja</b>, FIE,          Former President,          Institution of Engineers          (India).</p> <p><b>Dr. D. Elango</b>, FIE,          Council Member &amp;          Chairman, IEI –          Kanchipuram</p>	18	62	2	-



**Engineer's day Celebration on 15.09.2021  
 (Chief Guest: Dr. C. Velan, City Head, Capital Land,  
 Superintending Engineer Chennai)**



**World Water Day 2022 celebrations on 22.03.2022  
 Chief Guest: Mr. R. Ramachandran,  
 (Retd,) PWD)**



**Workshop on National Instrument-DaQ system on 04.04.2022**  
 (Chief Guest: Mr. Rajasekaran.V Application Engineer  
 at Innovative Invaders Technology)

**Guest Lecture – Higher Education Abroad on 06.04.2022**  
 (Chief Guest: Mr. George, Consultant from Jamboree  
 Education Limited)



**Guest Lecture – Career Opportunities and Employability for Civil Engineers on 08.04.2022**  
 (Chief Guest: Mr. A. Selva kumar, Construction Executive Trainer, Pareto Engineers Training Academy, Chennai)



**Indian Plumbing Association Student Chapter Inauguration on 12.04.2022**

**(Chief Guest: Mr. Joseph Mathew the chairman of IPA Chennai chapter, Dr. S Virappan National Executive Committee Member, Mr. J.Shankar Joint secretary and advocacy committee member and Mr. Ramanathan member of IPA)**



**Guest Lecture on 18.04.2022**

**(Chief Guest: Mr. G. Jayarajan, Superintending Engineer/Civil at Udangudi Thermal Power Project – TANGEDCO and Vice President, TNEBEA)**



**Two days workshop on “STADD PRO” organized during 19.04.2022 - 20.04.2022  
 (Chief Guest: Mr. N. Pradeep, BIM Manager, Denovo Solutions, Chennai)**



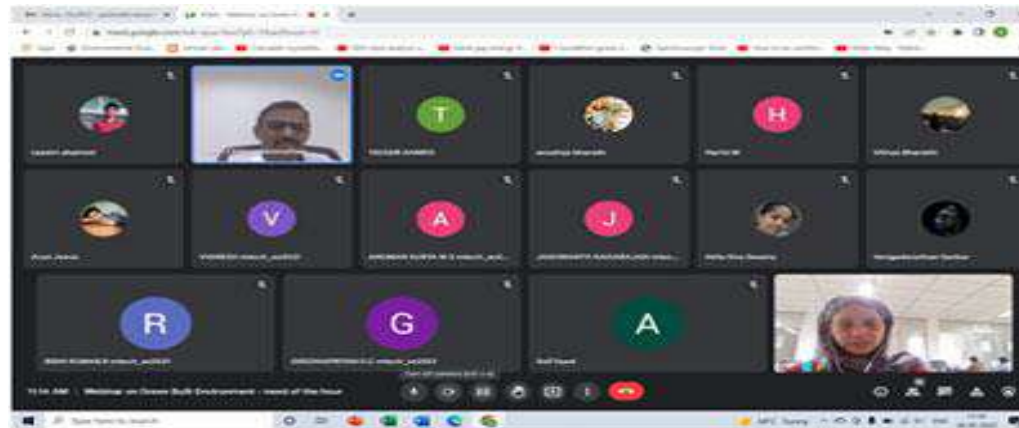
**2 days workshop on Soil Investigation and Site Exploration Techniques organized during 26.04.2022 - 27.04.2022  
 (Resource Persons: Dr. V Balakumar, Senior Consultant, Simplex Infrastructures limited, Chennai Mr. Karthikeyan A, Proprietor, from M/s. Karthikeyan Associates, Chennai and Dr. P.Vasanthi, Professor, Dean /SOI, BSACIST)**



**BIM workshop organized during 21.04.2022 – 22.04.2022  
(Chief Guest: Mr. N. Pradeep, BIM Manager, Denovo Solutions, Chennai)**



**2-days workshop on GIS Software organized during 06.05.2022 - 07.05.2022  
(Resource Persons: Dr. P. Vasanthi, Professor, Dean /SOI, BSACIST, Dr. K. Yogeswari, Professor, BSACIST,  
Ms. K. Kanmani, Assistant Professor, BSACIST & Mr. B. Kannadasan, Assistant Professor, BSACIST)**



**Webinar on “Green Built Environment – Need of The Hour” - 26.05.2022  
(Resource Person: Dr. C. Velan City Head – Chennai Operations)**



**National Level Technical Symposium CIVICLAN 2022 - 02.06.2022  
(Chief Guest: Dr. Colonel P.Nallathambi, Principal Structural Consultant, Sakthi Consultancy Private Limited, Chennai)**

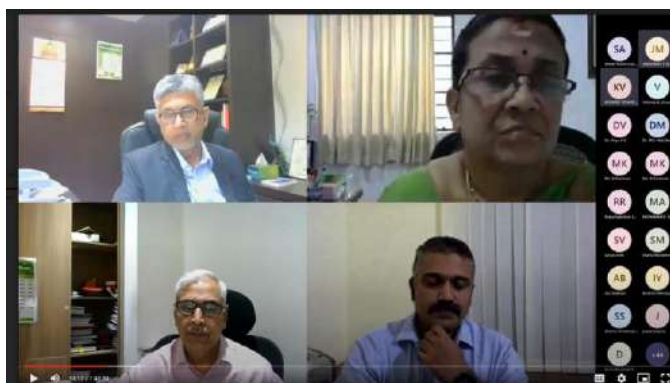


**Inauguration of “The Institution of Engineers – Students Chapter” on 30.06.2022  
 (Chief Guest: Dr. T. M. Gunaraja, FIE, Former President, Institution of Engineers (India),  
 Dr. D. Elango, FIE, Council Member & Chairman, IEI – Kanchipuram)**

<b>S. No</b>	<b>Name of Programme / Activity</b>	<b>Duration</b>	<b>Details of financial support received from Institution</b>	<b>Remarks</b>
1.	Webinar on “Entrepreneurial Skill Development & Start-ups on Geospatial Applications	12.10.2021	Rs.2,000/-	-
2.	Three days workshop on “Site Investigation and Soil Exploration for Geotechnical Design”	09.11.2021-11.11.2021	Rs. 21,000/-	-
3.	Three days Certificate Programme on “Entrepreneurial Skill on Geospatial Data Management”	23.02.2022-25.02.2022	Rs.15,000/-	-
4.	Guest Lecture on “Career Opportunities and Employability for Civil Engineers”	08.04.2022	Rs.3,000/-	-
5.	Inauguration of Students Chapter of Indian Plumbing Association	12.04.2022	Rs.1,861/-	-
6.	Guest Lecture on “An overview of Asia’s longest coal jetty at Udangudi 2X660MW super critical thermal power project”.	18.04.2022	Rs.3,000/-	-
7.	Two days workshop on “STADD PRO”	19.04.2022-20.04.2022	Rs.2,520/-	-
8.	Two days workshop on “BIM Software”	21.04.2022-22.04.2022	Rs.5,145/-	-
9.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	26.04.2022-27.04.2022	Rs.22,092/-	-



10.	Two days workshop on GIS Software”	06.05.2022-07.05.2022	Rs.8,620/-	-
11.	Guest Lecture on “Coordinates Based Land Survey”	23.05.2022	Rs.3,600/-	-
12.	Webinar on “Green Built Environment – Need of The Hour”	26.05.2022	Rs.2,000/-	-



**International Conference on “Recent Advances in Sustainable Construction Technologies and Environment”  
 (ICRASCE-2022) organized during 15.06.2022 – 16.06.2022**

**(Chief Guest: Dr. Arun Chandramohan, Professor, National Institute of Construction Management and Research, Hyderabad)**

- **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of the financial support received from Institution	Remarks
1.	Webinar on “Entrepreneurial Skill Development & Start-ups on Geospatial Applications	12.10.2021	Rs.2,000/-	-

2.	Three days workshop on “Site Investigation and Soil Exploration for Geotechnical Design”	09.11.2021-11.11.2021	Rs. 21,000/-	-
3.	Three days Certificate Programme on “Entrepreneurial Skill on Geospatial Data Management”	23.02.2022-25.02.2022	Rs.15,000/-	-
4.	Guest Lecture on “Career Opportunities and Employability for Civil Engineers”	08.04.2022	Rs.3,000/-	-
5.	Inauguration of Students Chapter of Indian Plumbing Association	12.04.2022	Rs.1,861/-	-
6.	Guest Lecture on “An overview of Asia’s longest coal jetty at Udangudi 2X660MW super critical thermal power project”.	18.04.2022	Rs.3,000/-	-
7.	Two days workshop on “STADD PRO”	19.04.2022-20.04.2022	Rs.2,520/-	-
8.	Two days workshop on “BIM SOFTWARE”	21.04.2022-22.04.2022	Rs.5,145/-	-
9.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	26.04.2022-27.04.2022	Rs.22,092/-	-
10.	Two days workshop on GIS Software”	06.05.2022-07.05.2022	Rs.8,620/-	-
11.	Guest Lecture on “Coordinates Based Land Survey”	23.05.2022	Rs.3,600/-	-
12.	Webinar on “Green Built Environment – Need of The Hour”	26.05.2022	Rs.2,000/-	-

➤ **Conferences / FDP / Seminars / Workshops attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/ Others (Rs)
1.	Dr. P. Vasanthi	Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology	-
2.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
3.	Dr. J. Revathy	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
4.	Dr. P. Gajalakshmi	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
5.	Dr. K. Yogeswari	International Conference on Management, Engineering Science and Humanities	International Conference	19.01.2022	Builders Engineering College	-

6.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
7.	Dr. A.K.Kaliluthin	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
8.	Dr. V.S.Priya	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
9.	Dr. Nisha Khanam	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
10.	Ms. V. Roopa	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
11.	Ms. K. Kanmani	Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology	-

12.		Advanced Remote Sensing applications and Machine Learning for Environment Sustainability"	FDP	24.06.2022-05.07.2022	Dr. M.G.R. Educational & Research Institute	-
13.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
14.		Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology	-
15.	Mr. Y. Ibrahim	"Communication skills, modes and knowledge Dissemination"	Training Programme	February, 2022	NITTT and AICTE.	-
16.		"Orientation towards Technical education and curricular aspects"	Training Programme	February, 2022	NITTT and AICTE.	-

17.		21 Days Faculty orientation Program on NEN – Ignite – 3.1-Advanced Entrepreneurship	Faculty orientation Program	10.05.2022-01.06.2022	Wadhvani Foundation	-
18.		FDP on Leadership	FDP	01.06.2022	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
19.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
20.	Mr. S. Shafeer Ahamed	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
21.		Waste Energy and Environment 'ICWEE - 2021	International Conference	23.09.2021-24.09.2021	Sathyabama Institute of Science and Technology	-
22.	Ms. Ayisha Siddiqua	"Communication skills, modes and knowledge Dissemination"	Training Programme	February, 2022	NITTT and AICTE	-
23.		"Orientation towards Technical education and	Training Programme	February, 2022	NITTT and AICTE	-

		curricular aspects"				
24.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
25.	Mr. A. Manivannan	FDP on Green Concrete Technology (GCT 2022)	FDP	21.02.2022 - 25.02.2022	Indian Concrete Institute	-
26.		FDP on Facilitating Digital Transformation in Design, Construction and Management Process of Civil Engineering	FDP	21.02.2022-02.03.2022	Ministry of Electronics and Information Technology at NITW and E&ICT Academy, NIT Warangal	-
27.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
28.	Mr. B. Kannadasan	Research Methodology	Faculty Improvement Programme	01.07.2021-10.07.2021	Perna College of Commerce, Nagpur, Maharashtra	-
29.		Data Analytics	FDP	05.07.2021-09.07.2021	AICTE sponsored at Centre for Electronic Governance	-
30.		Intelligent Transport System	FDP	05.07.2021-09.07.2021	Hindustan Institute of Technology and Science	-
31.		Integrated Data Analytics - the tools and Applications around	FDP	05.07.2021-09.07.2021	AICTE Sponsored at Holy cross College (Autonomous),	-

		Industry Verticals			Tiruchirappalli.	
32.		GIS & Remote Sensing	FDP	06.07.2021-10.07.2021	Institute of Engineering & Technology Devi Ahilya University, Indore	-
33.		Industry Prospect in Quantum Computing	Webinar	10.07.2021	JIS college of Engineering , West Bengal	-
34.		Geographic Information System (GIS)	STTP	19.07.2021-23.07.2021	K.J.Somaiya College, Mumbai	-
35.		Recycling Materials in Highway Construction	STTP	19.07.2021-24.07.2021	INDO Global College of Engineering, Chandigarh	-
36.		Modern Simulation Techniques for Engineering Research	FDP	26.07.2021-30.07.2021	Kamla Nehru Institute of Technology Sultanpur	-
37.		Geotechnical and Transportation Engineering	Short Term Course	26.07.2021-30.07.2021	G.H.Raisoni College of Engineering & Management, Pune	-
38.		Smart Grid and Sustainable Energy Management in Virtual Power Plants	FDP	26.07.2021-31.07.2021	ByJu's sponsored at Sathyabama Institute of Science and Technology, Chennai	-
39.		Emerging Technologies in Civil Engineering	FDP	27.07.2021-31.07.2021	AICTE sponsored at Institute of Engineering and Technology	-
40.		Industrial Revolution 4.0: Future Opportunities and Challenges in Civil Engineering	FDP	28.07.2021-30.07.2021	M.S. Ramaiah Institute of Technology, Bengaluru	-
41.		Smart Cities	FDP	02.08.2021-06.08.2021	AICTE Sponsored at National Power Training Institute - Power Systems	-



					Training	
42.	Data Sciences	FDP	09.08.2021-13.08.2021	AICTE Sponsored at National Power Training Institute - (Southern Region)	-	
43.	Simulation with matlab - from device to circuit	STTP	09.08.2021-14.08.2021	AICTE sponsor at JIS College of Engineering	-	
44.	Application of Geospatial Technologies in Building Sustainable Smart Cities"	STTP	23.08.2021-27.08.2021	PSG Institute of Technology and Applied Research, Coimbatore	-	
45.	"GIS & Remote Sensing"	FDP	20.09.2021-24.09.2021	AICTE Training and Learning (ATAL) Academy at National Power Training Institute - Shivpuri (M.P)	-	
46.	"Internet of Things (IOT): Architecture & System Level Design"	FDP	27.09.2021-01.10.2021	AICTE Training and Learning (ATAL) Academy at Guru Gobind Singh Indraprastha University	-	
47.	Data Science for Power Utilities	FDP	06.12.2021 - 10.12.2021	National Power Training Institute, Power Systems Training Institute, Bengaluru	-	
48.	Essentials of Machine Learning	FDP	13.12.2021 - 17.12.2021	Centre for Development of Advanced Computing (CDAC)	-	
49.	Innovation Entrepreneurship & Startup	FDP	20.12.2021 - 24.12.2021	National Institute of Technical Teachers Training and Research, Bhopal	-	

50.	Recent Advancements & emerging economic aspects of Transportation Geotechnology (RAEEATG 2021)	International Workshop	20.12.2021 - 24.12.2021	NIT Agartala	-
51.	Pollution control and Remediation - A Geo environmental Approach	Orientation /Refresher Prog.	29.12.2021 - 04.01.2022	Malnad College of Engineering, Hassan, Karnataka	-
52.	Lean Concepts and Impact Assessments towards Sustainability in Indian Construction Industry	National Workshop	10.01.2022 - 11.01.2022	Anna University	
53.	AL in Power and Energy Utilities	Orientation Programme	18.01.2022 - 24.01.2022	Mar Baselios College of Engineering and Technology, Nalanchira, Thiruvananthapuram, Kerala	-
54.	Machine Learning Applications for Autonomous Driving	FDP	24.01.2022 - 28.01.2022	KLE Technological University	-
55.	Advance Surveying Using Total Station and DRONE	FDP	07.02.2022 - 11.02.2022	B.L.D.E.A DR.P.G. HALAKATTI College of Engineering and Technology	-
56.	New Frontiers in Architecture, Engineering and Construction	FDP	21.02.2022 - 25.02.2022	Thiagarajar College of Engineering	-
57.	Sustainable Energy Efficient Green Technology	FDP	21.03.2022 - 26.03.2022	MSRIT	-

58.		21 Days Faculty orientation Program on NEN – Ignite – 3.1-Advanced Entrepreneurship	Faculty orientation Program	10.05.2022-01.06.2022	Wadhvani Foundation	-
59.		FDP on Leadership	FDP	01.06.2022	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
60.		Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
61.		FDP on " Advanced Remote Sensing applications and Machine Learning for Environment Sustainability"	FDP	24.06.2022-05.07.2022	Dr. M.G.R. Educational & Research Institute	-
62.		"Bamboo - A Sustainable Eco-Friendly Material for Buildings"	Webinar	27.12.2021-29.12.2021	CSIR-CBRI, Roorkee.	-
63.	Mr. Sheik Farid	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-
64.		Green Buildings & Built Environment	FDP	02.08.2021-06.08.2021	Confederation of Indian Industry	-
65.	Mr. S. Dhamodharan	Recent Advances in Sustainable	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of	-

		Construction Technologies and Environment (ICRASCE-2022)			Science and Technology	
66.	Ms. N. Manicka Priya	Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022)	International Conference	15.06.2022-16.06.2022	B.S. Abdur Rahman Crescent Institute of Science and Technology	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	4	5	19	1	-	10	18	57

➤ **Details (list) of the Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal**

1. Gaurav Shyam, Dr. K. Yogeswari, "Review on Mechanical Properties of M30 Concrete in addition with Steel Fiber and Jute Fiber" IOSR Journal of Mechanical and Civil Engineering Vol.18, Issue 4, pp 15-18, July 2021
2. B. Indhu, K. Yogeswari, "Structural Equation Modelling (SEM) Approach on Inappropriate Construction Equipment Delay Factors" Civil Engineering Journal Vol.7, Issue 7, pp.1156-1168, July 2021.

3. Rajeshkumar R and Manivannan. A, “Experimental Study on Partial Replacement of Cement with GGBS in Ultra High-Performance Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp63-68, July 2021
4. R. Rabin and Manivannan. A, “Experimental Study on Partial Replacement of Cement with Alccofine and Sugarcane Bagasse Ash in Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp 69-72, July 2021.
5. M.F. Mohamed Sameer A. Manivannan “Experimental Study on Slurry Infiltrated Fibrous Concrete” International Journal for Research in Engineering Application & Management (IJREAM) Vol.7, Issue 4, pp 73-77, July 2021.
6. Arvandan Sivasuriyan, D.S. Vijayan, A. Leema Rose, J. Revathy, S. Gayathri Monicka, U.R. Adithya, J. Jebasingh Daniel “Development of Smart Sensing Technology Approaches in Structural Health Monitoring of Bridge Structures” Advances in Materials Science and Engineering Vol.1, Issue .1, pp 1-14, August 2021.
7. C.Pavithra, J. Revathy, P. Gajalakshmi “Structural Behavior of hybrid double - Skin Tubular FRP - Concrete - Steel Column: State of the art review” Innovative Infrastructure Solutions Vol.1, Issue1, pp 1-19, September 2021.
8. Dhanasingh Sivalinga Vijayan, Arvandan Sivasuriyan, Parthiban Patchamuthu, J. Revathy “Thermal Performance of Energy - Efficient Buildings for Sustainable Development” Environmental Science and Pollution Research Vol.1, Issue 1, November 2021.
9. Prakash A, Christu Paul. R, S. Stewart Kirubakaran, Mohammad Haider Syed, Kannadasan B and Jyothi N.M “Bio-Inspired Framework for The Deployment of the Smart City Environment Using Integrated Technology” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Issue 10(11) pp.375 -390, November 2021.
10. Kannadasan. B, Manohar.M.P. And Vikas Tripathi “In The lot Transport Sector, Effective Reactor Safety Healthcare Management of Vacancies on Passenger Buses” International Journal of Biology, Pharmacy & Allied Sciences Vol :1, Issue 10(11) pp.1437-1446, November 2021.
11. Sumathy B, Haseebayaseen, Vijay Kumar, Abhishek Ashok, Mohan and Kannadasan. B “Physiological Signal Processing Via Machine Learning for Personal Stress Detection” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11), pp.442-453, November 2021.

12. Sakthivel S, Chirra Kesava Reddy, Kannadasan B, P. Viswanath, Jyothi N.M and Karpagam.M “Estimation of Agricultural Production Using Categorization Methods in the Context of Big Data Analysis” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp563-573, November 2021.
13. Thanga Ramya .S, Praveena.D, Kapoor.R, Saritha. M, Sharanyaa .S and Kannadasan B “Deep Learning for Big Data and its Applications Including Clinical Image Processing Using CNN Approach” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) 623-631, November 2021.
14. Kannadasan B, Dheeraj Rane, Sathish Kumar Penchala, Ranjan Walia, Sonu Kumar and Selvan. P “Smart Cities and Embedded IoT Sensor Systems to Improve the Performance of the Automated Environment” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.632-644, November 2021.
15. Chandrika V S, Kannadasan B, Srikanth Renikunta, M. Nagabushanam, Ranjan Walia and V Gopu “Automatic Detection of Emotions in Vehicle Drivers based on Analysis of Biomedical Data to Improve the Performance” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.700-714, November 2021.
16. Shivakumara T, Purvansh Jain, Rajshekhar M Patil, Dinesh Mavaluru, Lokeswara Reddy.V and Kannadasan. B “Detection and Classification of Intruder Data Attacks Using Internet of Things and Machine Learning Techniques Based on Environment Situation” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp 1039-1047, November 2021.
17. Maniraj S. P., Roopa Shettigar, Kannadasan. B and S. Prabhu “Artificial Intelligence Application in Human Resource Development” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp. 1089-11007, November 2021.
18. Sivakami.R, Kannadasan. B and Bhasker Pant “Analyze and Deliver Reactor Safety Healthcare Policies for Various Automotive IoT-Enabled Devices” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp. 1425-1436, November 2021.

19. Srilakshmi C H, Sheik Faritha Begum, M. S. Vinmathi, Sonu Kumar, Zatin Gupta and Kannadasan B “A Real-Time Bio-Manufacturing Observation System Featuring an IoT Sensor Using Big Data” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.527-539, November 2021.
20. Dhirendra Kumar Sharma, Srikanth Renikunta, Priya J, Kannadasan B, Zatin Gupta and Venu D “Access To Carrier-Based Outreach Service In The Transportation System For Latency Tolerance In The Environment” International Journal of Biology, Pharmacy & Allied Sciences (IJBPAS) Vol :1 Issue 10(11) pp.574-587, November 2021.
21. R. Raffik, M. Michael Jones, T. Murugajothi, B. Kannadasan “Intelligent Accident Detection and Smart Alert System for Vehicles” International Journal of Mechanical Engineering Vol.6, Issue 3, pp2391-2396, December 2021.
22. J. Revathy, P. Gajalakshmi, K.K. Yaswanth, “Strength, Durability and Micro- Structural Assessment of Slag- Agro blended based Alkali Activated Engineered Geopolymer Composites”, Case Studies in Construction Materials, Vol :16, Issue :1, pp.1-17, January 2022.
23. K.C. Vinu Prakash, K. Yogeswari “Study of Noise Pollution with Associated Risk on Workers at the Construction Site” Journal of Environmental Protection and Ecology Vol. No. 23, Issue No.5, pp 1854-1863, January 2022.
24. J. Revathy, P. Gajalakshmi, K.K. Yaswanth, “Artificial Neural Network with a Cross – Validation Technique to Predict the Material Design of Eco – friendly Engineered Geopolymer Composites” Materials Vol:15, Issue: 1, April 2022.
25. J. Revathy, P. Gajalakshmi, “Numerical Modeling of Geopolymer Concrete in-filled fibre- reinforced Polymer Composite Columns Subjected to Axial Compression Loading” Materials Vol:15, Issue: 1, April 2022.
26. J. Revathy, P. Gajalakshmi, “Behaviour of Double-Skin Tubular Concrete Column with Stiffened Plate” Materials Vol :1, Issue :1, pp.445-459, 2022.
27. J. Revathy, P. Gajalakshmi, “Estimating the Axial Compression Capacity of Concrete – Filled Double Skin Tubular Columns with Metallic and Non – Metallic Composite Materials” Materials Vol :1, Issue :1, pp.1-39, April 2022.
28. K.C. Vinu Prakash, K. Yogeswari “Study of Average & Maximum Level of Noise Range at Building Construction Site for Workers Welfare” Neuroquantology Vol. .20, Issue .6, June 2022.

### **International Conference:**

1. M. Ayisha Siddiqua, V.S. Priya “Treatment of Yellow Dye in the Textile Effluent - A Review” International Conference on Waste, Energy and Environment (ICWEE-2021) Vol.1, Issue 1, pp.95 September 2021
2. K. Kanmani, Dr. P. Vasanthi, N. Maharajan “Soil Quality Indicator Mapping using GIS” International conference on Waste, Energy and Environment (ICWEE–2021) Vol. 1, Page 110, September 2021.
3. N. Maharajan, K. Kanmani, Dr. P. Vasanthi “Correlating Image Backscatter with Forest Cover Objects using SAR data” International conference on Waste, Energy and Environment (ICWEE–2021) page 99, September 2021.
4. Ibrahim Y, Vasanthi Padmanabhan, Jagadeesh K “Domestic and Industrial Wastewater Treatment by Natural Organic Coagulants” International conference on Waste, Energy and Environment (ICWEE–2021) page 99, September 2021.
5. B. Kannadasan, K. Yogeswari “Applications Powered by Artificial Intelligence Are Paving the Way for Smarter Urban Mobility” International Conference on Management, Engineering, Science and Humanities, ISBN: 978-93-91535-16-2, January 2022.
6. B. Kannadasan “IOT Based Indoor Real Time Location System for Efficient Location Tracking” International Conference on Intelligence System (ICIS-2022), March 2022.
7. Thulasimani T, D. Sundaranarayana, Kannadasan B, Sivakumar Ponnusamy, K. Pavithra, R.Salini “Analysis of Vacancies on Passenger Bus in the Context of IoT Transport Sector with Efficient Management Technologies” Guangdianzi Jiguang/Journal of Optoelectronics Laser, Volume 41, Pages 129–133, March 2022.
8. Pavan Kumar D.; Vinay Babu S.; Surakasi R.; Bradley Bright B.; Rajeeth T.J.; Kannadasan B.; Pitchandi P, “Influence of Nano-filler Content on the Freeze-Thaw Cycle of the Nano-Concrete Mixture” Materials Today: Proceedings, Volume 62, pp 5164-5168, March 2022.
9. Kannadasan B “Cloud Computing Based Renewable Energy Demand Management System” International Conference on Biomedical Engineering and Computing Technologies ICBECT 2022, April 2022.
10. B. Kannadasan “Smart Agriculture: Role of AI Based Technology in Agriculture” International Conference on Nanomaterials and Nanodevices(ICNN-2022), April 2022.



11. Sudha D.; Raja Gopal S.; Sowmiya J.K.; Kannadasan B.; Narayan P.; Ghosh T “Study on the Heat Gain through A Twin Glass Window (TGW) using an organic PCM” Materials Today: Proceedings, April 2022.
12. Gupta A.D.; Kishore K.; Prasad A.B.; Kannadasan B.; Narayana M.S.; Singh P “The Intelligent Smart City Deployment Via Artificial Intelligence Software Networking” 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022, Pages 612-617, April 2022.
13. Kamal S.; Shobha K.R.; Francis F.; Khilar R.; Tripathi V.; Lakshminarayana. M; Kannadasan. B; Sahile K.”IOT Automation with Segmentation Techniques for Detection of Plant Seedlings in Agriculture” Wireless Communications and Mobile Computing, April 2022.
14. Puthilibai G.; Prabhu. B; Vinodkumar V.;Surakasi R.;Kannadasan B.;Kumar Bohidar S.;Subbiah R.”Study on the Impact of Twisted Tapes on the Water Temperature Enhancement in Solar Water Heater” Materials Today: Proceedings, Vol. 62, pp.5114 - 5118, April 2022.
15. B. Kannadasan, Dr. K. Yogeswari “Investigation of Urban Growth Using Geospatial Techniques” Indian Social Science Congress (ISSC) 2022, April 2022.
16. Mohan Gift M.D.;Sharun V.;Surakasi R.;Kannadasan B.;Karuna M.S.;Kumar Singh M.;Subbiah R.”Study on the impact of Nano-Reinforcements on the Fatigue Strength of Adhesive Joints” Materials Today: Proceedings, Volume 62, pp 5177-5181, April 2022.
17. Logarajan.S, Dr. K. Yogeswari, Mr. B. Kannadasan “Risk Assessment and Smart Management of Semi Urban Area – Manimangalam” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASCE-2022), June 2022.
18. S. Thameez Ahmed, Dr. K. Yogeswari, Mr. B. Kannadasan “Real Time Analysis of Traffic at Perungalathur to Urapakkam” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASCE-2022), June 2022.

19. Kannadasan B, Dr. K. Yogeswari “Modern Transportation Management System Based on Geospatial Technology for Chennai City” International Conference on Recent Advances in Sustainable Construction Technologies and Environment, (ICRASE-2022), June 2022.
20. Ayisha Siddiqua M, Karpagam V, K. Kanmani, Mughil.I (2022), “Analysis of Geospatial Variations of Groundwater Quality in Semi Urban Region of Chennai”, International Conference on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, Vol. 1, pg no., ISBN 978-93-8921-221-1 1, June 15 - 16 2022.
21. Kanmani K, Vasanthi P, Maharajan N (2022), “Study of Various Soil Moisture Models using Synthetic Aperture Radar (SAR) Image”, International Conference on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022), B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, Vol. 1, ISBN 978-93-8921-221-1, June 15 - 16 2022.
22. Ibrahim.Y “Study on the Treatment of Textile Effluent by using Combined Natural Coagulation and Sequencing Batch Reactor Process”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.
23. Ibrahim. Y “Investigational Study on Strength of Bricks using De-Inking Paper Sludge”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.
24. Ibrahim. Y “A Novel Natural Coagulant used in the Treatment of Textile Dyeing Effluent for Green Environment”, on Recent Advances in Sustainable Construction Technologies and Environment (ICRASCE-2022) 15-16, June, 2022.

**National Journal:**

1. Md Muheeb Ahmed, Mohd Umar, Ahmed Abdul Ahad and M.S. Haji Sheik Mohammed “Optimisation of Mix proportion for repair mortar modified with mineral and Chemical Admixtures” Journal of Structural Engineering (JOSE) Vol.48, Issue 2, pp 89-103, July 2021.

### National Conference:

1. Kanmani K, Maharajan N, Vasanthi P, Harinarayana T, “Surveillance Tool to Life Saver – The Facets of Remote Sensing Technology (2022)”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.
2. M.Ajona, Dr. Vasanthi Padmanabhan, “Bio-remediation Technology for the Oil Contaminated Environment”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.
3. Wasif Yuhan S. R, Syed Umma Salma, V. S. Priya, “Survey on Environmental Impact Induced by the Car Users and Suggestive Measures to Implement Eco-Friendly Driving Strategies in Chennai”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.
4. B. Kannadasan, Dr.K.Yogeswari, “Investigation of Urban Growth using Geospatial Techniques”, 45th Indian Social Science Congress organized by Indian Social Science Academy (ISSA) in association with BSACIST, pp.97, March 28 – April 01, 2022.

### ➤ Book(s) Published

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1.	Mr. B.Kannadasan	Business Forecasting	Rs.580/-	-	AGPH Books	Yes
2.	Mr. B.Kannadasan	Internet of Things for business professionals	Rs.500/-	-	Book Rivers	Yes
3.	Mr. B.Kannadasan	Modern Approaches of Data mining – concept techniques and Algorithms	Rs.550/-	-	Alpha International Publication	yes

4.	Mr. B.Kannadasan	Database Management System	Rs.500/-	-	Xpress Publications	yes
5.	Mr. B.Kannadasan	Introduction to Big Data Processing and modeling with Hadoop	Rs.550/-	-	Alpha International Publication	Yes
6.	Mr. B.Kannadasan	Entrepreneurship	Rs.500/-	-	Book Rivers	Yes

➤ **Patents (Obtained / Applied)**

S. No	Details of the Faculty & Affiliation	Title of Patent	Details of the Patents			Details of the Financial Assistance from Institution
			Filed	Published	Granted	
1.	Mr. B.Kannadasan	Block Chain based Smart Management of Human Resource to optimize performance	-	Published	-	-
2.	Mr. B.Kannadasan	Deep Learning and Wireless Based Energy Efficient Autonomous System for Pollution Control in e-cities	-	Published	-	-
3.	Mr. B.Kannadasan	Machine Learning Method & System for Solving a Prediction Problem from larger data source	-	Published	-	-
4.	Mr. B.Kannadasan	Integrated Business Model for Supply Chain Management	-	Published	-	-
5.	Mr. B.Kannadasan	Model a Building Information System to collect the needed information	-	Published	-	-
6.	Mr. B.Kannadasan	Effective Management in Allotment of vacant seats on moving bus using IOT	-	Published	-	-

7.	Mr. B.Kannadasan	Quality and Entrepreneurship Model to Enhance the Affecting Factors of Human Productivity	-	Published	-	-
8.	Mr. B.Kannadasan	Artificial Intelligence Based Diagnosis of Malignant Skin Disease Using Classification Algorithm	-	Published	-	-
9.	Mr. B.Kannadasan	Artificial Intelligence and Robotic Enabled Future Generation of Smart Satellites	-	Published	-	-
10.	Mr. B.Kannadasan	IOT Based Intelligent Traffic Management System	-	Published	-	-
11.	Mr. B.Kannadasan	Engineering Manpower Outsourcing Technique for Corporate Industries	-	Published	-	-
12.	Mr. B.Kannadasan	Design of Real Time Control of Launch Vehicles Using Wireless Sensor Network	-	Published	-	-
13.	Mr. B.Kannadasan	Artificial Intelligence In Smart Farms	-	Published	-	-
14.	Mr. B.Kannadasan	Fuzzy Model to Improve Manpower Capability	-	Published	-	-
15.	Mr. B.Kannadasan	Image Processing and Deep Learning Based Smart Tracking and Counting Vehicle	-	Published	-	-
16.	Mr. B.Kannadasan	Management of The Industry 4.0 Business Model	-	Published	-	-
17.	Mr. B.Kannadasan	Development of Bio Materials Process for Engineering Production and Control	-	Published	-	-
18.	Mr.B.Kannadasan	An Economic Model to the Industry using real time optimizer	-	Published	-	-
19.	Mr. B.Kannadasan	A technical physical assessment of the structural steel manufacture for improving the performance	-	Published	-	-
20.	Mr. B.Kannadasan	IOT Based Smart Voting System through Facial Recognition using	-	Published	-	-

		open CV				
21.	Mr. B.Kannadasan	A Novel Business Model For Industry 4.0	-	Published	-	-
22.	Mr. B.Kannadasan	An Artificial Intelligence & Machine Learning Based System For Railway Asset Management	-	Published	-	-
23.	Mr. B.Kannadasan	Modeling and Simulation Studies To Improve Labeled Bio Compounds For Construction Engineering	-	Published	-	-
24.	Mr. B.Kannadasan	A Multi-Zone Model Based on Simulation for Thermal Building	-	Published	-	-
25.	Mr. B.Kannadasan	Real Time Agriculture Field Monitoring System Using Iot	-	Published	-	-
26.	Mr. B.Kannadasan	An Applied Computer System for High-Efficiency Value Stream Management And Mapping and Process Tracking	-	Published	-	-
27.	Mr. B.Kannadasan	A System & Method for Rail Transportation Property Management Using Ai & MI	-	Published	-	-
28.	Mr. B.Kannadasan	Monitoring Soil Deformation & Temperature Using Flexible Wireless Sensor	-	Published	-	-
29.	Mr. B.Kannadasan	Secure The Supply Chain Management System In E-Commerce Using Block chain Technology	-	Published	-	-
30.	Mr. B.Kannadasan	Multi Speed Drone for Remote Field Monitoring System	-	Published	-	-
31.	Mr. B.Kannadasan	IOT Based Smart Farming For Automatic Weather Forecasting And Monitoring Moisture Levels to Prevent Crop Damaging for Higher Crop Yield	-	Published	-	-

➤ **Details of Impact Factor of the Publication and H-Index of the department**

- A) Range
- B) Average
- C) H-Index
- D) No. In Scopus -11

➤ **Sponsored Research (Ongoing / Granted)**

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr.Amlan Kumar Sengupta, Department of Civil Engineering, IIT Chennai, Dr.G.RadhaKrishna G Pillai, Department of Civil Engineering, IIT Chennai, Dr. M.S. Haji Sheik Mohammed.	Extra Mural Research Funding	Structural Behaviour of Corroding Prestressed Concrete Systems and Extension of Service Life using Cathodic Protection	Rs. 39.6 lakhs	-	-	-	Ongoing
2.	Dr.G.RadhaKrishna G Pillai, Department of Civil Engineering, IIT , NIT Trichy, Dr. M.S. Haji Sheik Mohammed,	Industry Project	Evaluation of Sacrificial Anode Cathodic Protection (SACP) systems for Reinforced Concrete	Rs. 9.912 lakhs	-	-	-	Ongoing

			Applications					
3.	Ms. Roopa.V,	DST,SERB,TARE	Corrosion protection and service life extension of reinforced concrete roofing systems in existing buildings	Rs. 18,30,000 Amount Earmarked for Crescent: Rs. 8,25,000	-	-	-	Ongoing
4.	Dr. J. Revathy Dr. P. Gajalakshmi	Research Promotion Scheme, (RPS), AICTE, New Delhi	Seismic behaviour of light weight concrete filled FRP tubular columns	Rs. 2 lakhs	-	-	-	Ongoing
5.	Dr. Vasanthi Padmanabhan and Dr. J. Revathy	Modernisation and Upgradation of Structural Engineering Lab –Non Destructive Testing facility	MODROB, AICTE New Delhi	Rs. 10 lakhs	-	-	-	Ongoing
6.	Dr.V.S.Priya	DST Power grant	Treatment of emerging contaminants in grey water using plasma assisted photocatalysis	Rs.30 lakhs	-	-	-	Applied
7.	Dr. P.Vasanthi and V.S.Priya Dr.	MODROB	Characterisation and quantification of emerging contaminants in water, waste water and	Rs.20 lakhs	-	-	-	Applied



			sludges					
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➤ **Details of the Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	Resipod	Aimil Limited, New Delhi	21.03.2022	21.03.2022	1,96,350/-
2.	Resipod Software	Aimil Limited, New Delhi	21.03.2022	21.03.2022	1,12,875/-
3.	Buoyancy Balance (AIM9933)	Aimil Limited, New Delhi	07.07.2022	07.07.2022	89,752/-
4.	Round Drum semi automatic concrete mixer1	Leading edge lab equipments, Coimbatore	14.02.2022	14.02.2022	92,768/-
5.	Strain control UTM	Hitech India Equipment Pvt Ltd, Chennai	21.02.2022	21.02.2022	11,50,000/-
6.	Self Consolidating Concrete Apparatus	TMC Associate, Chennai	03.05.2022	03.05.2022	56,700/-
7.	Miclins Peristaltic Pump	Miclins, Chennai	19.03.2022	19.03.2022	69,510/-
8.	Precision Turbidity Meter	Hanna Equipments India Private Ltd, Maharashtra	11.07.2022	11.07.2022	1,32,653/-
9.	Relative Density Apparatus	Hydraulic & Engineering Instruments, New Delhi	23.03.2022	23.03.2022	1,43,000/-

➤ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
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1.	Dr. M.S. Haji Sheik Mohammed	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
2.	Dr. J.Revathy	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
3.	Dr. P.Gajalakshmi	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
4.		Best Researcher Award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
5.		Delivered (online) Lecture on “Progressive Collapse Analysis of Multistoried Building”	National Institute of Technical Teachers Training and Research	June, 2022
6.	Dr. K.Yogeswari	Research Incentive award	B.S. Abdur Rahman Crescent Institute of Science & Technology	September, 2021
7.		Resource Person in Webinar on Smart Cities	Jyothi Engineering College	July, 2021
8.		External Examiner in Viva Voce’s Examination.	SRM Institute of Science and Technology, Kattankulathur Campus	May, 2022
9.		Delivered Lecture on “Green Building Concept and its application in Smart Cities”	Sai Ram Engineering College, Chennai	May, 2022
10.	Mr. Y.Ibrahim	Gold Award	M/s. Wadhvani Foundation	June, 2022
11.	Mr. Kannadasan B	Best Paper Award	B.S.Abdur Rahman Crescent Institute of Science and Technology	June, 2022

12.		Silver Award	M/s. Wadhvani Foundation	June, 2022
13.		NPTEL Evangelist	NPTEL IIT Madras	July – December 2021



➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mr. Mohamed Abith	190011601018	Completed Diploma in Building Design & Analysis	CADD Centre	02.02.2022
2.	Mr. Mohamed Asjath M	190011601019	Member in Institute for Engineering Research & Publication	Institute for Engineering Research & Publication	04.02.2022
3.			Completed course in Social Media Marketing	Career Development College London	05.02.2022
4.			Scored 100% in Civil Engineering online quiz Competition	Ninth sem	02.05.2022
5.	Mr. Safeer Jasim .S	200011601015	Won the first prize in Design Competition on Civician 2022	BSACIST	02.06.2022
6.	Mr. Ragavan.K	210011601029	Participated in first junior National Dodge ball championship for boys and girls	The Indian Dodge ball Federation	24.06.2022 - 26.06.2022

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1.	Mr. V. Mukesh Vashan	211202601014	Non – Conventional Energy Resources	January – April 2022 (12 Week Course)	50%	He only attended the NPTEL course but credit wasn't transferred.

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of the development activity	Duration	Details of the Faculty and student participants	Objective	Outcome
1.	Webinar on Career Opportunities for Civil Engineers by Mr.N.G.Muralidharan, Consultant & Distributor for India, Radcrete pacific Pty Limited Australia	1 day (08.10.2021)	B.Tech. Civil Engineering Third year and Final Year Students	To give exposure on various opportunities after their graduation	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	Larsen and Turbo, Private Limited, Chennai	Teaching & Lab	23.05.2022	ongoing		1. Students acquired knowledge on designing steel structures in more practical way by adopting real time structures. 2. Field visits to the ongoing project sites also enhanced this learning process in an easiest way.

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			

1.	Society of Civil Engineers	Webinar on Career Opportunities for Civil Engineers on 08.10.2021	84	8	-	Mr.N.G.Muralidharan, Consultant & Distributor for India, Radcrete pacific Pty Limited Australia	The students were benefitted in understanding the various opportunities related to government sectors, private sectors and as an entrepreneur.	-
2.	Society of Civil Engineers	Inauguration of Students Chapter of Indian Plumbing Association on 12.04.2022	13	72	-	Mr. Joseph Mathew- the chairman of IPA Chennai chapter	In this inauguration the chairman, vice chairman, Secretary Joint secretary and office bearers were nominated	-
3.	Society of Civil Engineers and American Society of Civil Engineers	National Level Technical Symposium "CIVICLAN 2K22"	18	182	-	Dr.Colonel P.Nallathambi Ph.D (Structural Engg.)/Principal Structural Consultant, Sakthi Consultancy Private Limited, Chennai	The students were given awareness about the application of civil engineering in power sectors and job opportunities. It enhanced the visibility of the department among B.Tech, students of other institution by conducting various technical and non-technical events.	-
4.	Society of Civil Engineers	Inauguration of "The Institution of Engineers – Students Chapter" on 30.06.2022	20	62	-	Dr. T. M. Gunaraja, FIE, Former President, Institution of Engineers (India). Dr. D. Elango, FIE,	Encouraged the students to apply for project funding, by highlighting the funds which are awarded for the best projects	-

						Council Member & Chairman, IEI – Kanchipuram	and best research proposals.	
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➤ **MoUs Signed**

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	Land Coordinates Technology, Chennai	Academic and Project Collaboration	23	05	2022	The students have opportunities for internships and research	Active



**MOU signed with Land Coordinates Technology, Chennai on 23.05.2022  
 (Mr. A. Selvam, General Manager, M/S. Land Coordinates Technology)**

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of the Participants			Details of the beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1.	Two days workshop on GIS Software”	2	70	-	Polytechnic students	06.05.2022-07.05.2022	To provide the basic knowledge and hands on experience in Quantum GIS (QGIS) software such as creation of thematic layers, spatial analysis, data conversion, GIS data querying etc
2.	Two days workshop on “STADD PRO”	2	10	-	Polytechnic students	19.04.2022-20.04.2022	To provide the basic knowledge and hands on experience on STAAD. Pro
3.	Two days workshop on “BIM SOFTWARE”	3	10	-	Polytechnic students	21.04.2022-22.04.2022	To provides the basic knowledge and hands on experience on BIM software. Students were given exposure on “Applications of BIM and VDC in modern day construction and job opportunities
4.	Two days workshop on :Soil Investigation and Site Exploration Techniques”	3	40	-	Polytechnic students	26.04.2022-27.04.2022	Helped the students learn the method, process and importance of soil investigation and also about the reinforcement detailing needed for structures.



➤ **Important Visitors**

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1.	Dr. Rana Pratap Singh	Dean, Academic Affairs, Professor, Bhabasaheb Bhimrao Ambedkar University, Lucknow, India	MoU & Research Colloboration	–
2.	Prof. Shakeel Ahmed	Consultant, School of Sciences, Maulana Azad National Urdu Univeristy, Hyderabad, India	MoU & Research Colloboration	MoU Signed
3.	Prof. Saneem Fatima	Dean, Academic Affairs, Maulana Azad National Urdu Univeristy, Hyderabad, India	MoU & Research Colloboration	MoU Signed

➤ **Any other academic relevant information**

- Dr. P. Vasanthi, Professor & Dean, Dr. M. S. Haji Sheik Mohammed, Professor & Dean (AA), Dr. J. Revathy, Professor, Dr. P. Gajalakshmi, Professor, Dr.K. Yogeswari, Professor & Ms. V. Roopa, Assistant Professor received research incentive award for sponsored projects and paper publications.

➤ **Testing / Consultancy works & Amount generated**



**Visit to common sewage treatment plant at Maraimalai Nagar Municipality on 07.04.2022**

The department involved in consultancy activities like executing repair & rehabilitation works, material testing works, design and validation of STP, soil testing and material stability for various Government, Semi-Government and Private agencies. The amount generated through consultancy and testing in the academic year 2021-22 is Rs. 1, 40,000/- (Rupees one lakh forty thousand only)

**MOOC Courses:**

- Dr. V.S. Priya Completed Municipal solid waste management NPTEL Courses on October 2021
- Mr. B. Kannadasan Completed City and Metropolitan Planning NPTEL Courses on August 2021.
- Mr. B. Kannadasan Completed Entrepreneurship NPTEL Courses on October 2021.
- Mr. B. Kannadasan Completed Innovation, Business models and Entrepreneurship NPTEL Courses on October 2021.

## **SCHOOL OF MECHANICAL SCIENCES**

- **DEPARTMENT OF MECHANICAL ENGINEERING**
- **DEPARTMENT OF AEROSPACE ENGINEERING**
- **DEPARTMENT OF AUTOMOBILE ENGINEERING**
- **DEPARTMENT OF POLYMER ENGINEERING**

## DEPARTMENT OF MECHANICAL ENGINEERING

➤ **Value Added Programmes Offered:**

S. No	Name of the Programme	Duration (From –To)	Course Duration (Hrs)	Details of the Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	CAD using CATIA - Basics	May, 2022 – October, 2022	45 Hrs	Dassault systemes Centre of Excellence and EDS Technologies	29	Nil	Nil

➤ **Training Programmes Offered:**

S.No	Name of the Programme	Duration (From –To)	Course Duration (Hrs)	Details of the Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	Robot Training	20 June - 24 June, 2022	20 Hrs	Prag Robotics Pvt. Ltd.	-	12	-

**Important remarks:** Robot training programme was conducted with no fee to train our faculty members.

➤ **Details of Minor Degree Programmes offered:**

S. No	Name of Programme	Details the of Students		Programme Outcome
		Department	Number of students	
1.	3D Printing	Mechanical	Nil	<ol style="list-style-type: none"> <li>1. To Provide a solution to the problems with suitable techniques for additive manufacturing to adapt to challenging environments</li> <li>2. Apply the knowledge gained on additive manufacturing through the process of design, development, and implementation of automated manufacturing.</li> <li>3. Utilize the latest technologies in the field of additive</li> </ol>

				manufacturing to assess their effect on societal, environmental, and industrial safety.
2.	Robotics	Mechanical	Nil	<ol style="list-style-type: none"> <li>1. Recognize the need and design the solutions to industrial problems using the fundamental knowledge of robotics</li> <li>2. Apply the knowledge gained on robotics through the process of design, development, and implementation of automated systems.</li> <li>3. Make use of recent developments in the field of the robotic system to assess their effect on societal and industrial safety</li> </ol>

➤ **Details of Field visits/Industrial visits organized by the department:**

S.No	Participant Details				Name of the faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	Industrial visit	VI	A	40	Dr. S. Jeavuden	TVS Training and services ltd	23.05.2022	Students gained knowledge about the basic machining process, hydraulic & pneumatic systems and embedded systems.	No
2.	Industrial visit	VI	B	27	Dr. S. Ravikumar	TVS Training and services ltd	23.05.2022		

➤ **Conferences / FDP / Seminars / Workshops Organized by the department:**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Lean Six Sigma for Industries	Webinar	15.07.2021	M/s Vision Excellence	Dr. Gopal Sivakumar	2	36	-	-
2.	An Introduction Seminar to Industrial 4.0	Webinar	08.09.2021	M/s Equad Engineering Services Pvt Ltd	Mrs. Vaishnavi, Ceo-Equad Eng Sr Pvt Ltd	2	80	-	-
3.	Scope for research in Opto mechatronics	Webinar	03.03.2022	IIT Madras	Mr. Saran, Research Scholar, IIT Madras	2	25	-	-
4.	Design now workshop using Autodesk Fusion 360	Online Workshop	27.10.2021	Free and ICT ACADEMY (An Initiative of Government of India), State Government and Industry, Tamilnadu	Mr. Mohammed Shereef, Deputy Manager - Design Team, Training & Research	1	70	-	-
5.	Industrial 4.10	Workshop	27.10.2021 - 29.10.2021	Msme & Equad Engineering Services Pvt Ltd	Mrs. Vaishnavi, Ceo-Equad Eng Sr Pvt Ltd	2	40	-	-
6.	Industrial 4.0	Workshop	06.04.2022 - 08.04.2022	Msme & M/s Equad Engineering Services Pvt Ltd	Mrs. Vaishnavi, Ceo-Equad Eng Sr Pvt Ltd	2	35	-	-

- **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of the financial support received from Institution in Rs.	Remarks
1.	SAEINDIA Professional membership & Students membership (Society of Automotive Engineers)	12 months	65,490/- as membership renewal fees.	Active Professional membership to faculty members and students
2.	Inauguration of professional societies of the Department	One Day 29.09.2021	7000	Chief Guest: Mr. E. Nandakumar, Engineering Head, Caterpillar Inc.
3.	Technical Symposium Mecha Rush 22 Conducted by Mechanical Students	One Day 26.05.2022	25000	Chief Guest: Mr. D. Janarthanan, Sr. Engg. Manager, L & T Ltd
4.	Online Technical Competition for school students Mega Young Talent Search-22	May – June 2022	8000	Participated around 40 School students.

- **Conferences / FDP / Seminars / Workshops attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. Mohamed Bak K	Personality Development Program	Workshop	06.01.22 to 10.01.2022	ICT Academy, Govt. of Tamil Nadu	Nil

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
2.	Dr. Mohamed Bak K	Digital Teaching Techniques	Workshop	24.01.2022 to 28.01.2022	ICT Academy, Govt. of Tamil Nadu	Nil
3.	Dr. Mohamed Bak K	Online -Fourth International Conference on Engineering Science and Technology (ICEST 2022)	ICEST 2022	16.02.2022 to 17.02.2022	ICEST 2022 - Luxor-Egypt	Nil
4.	Dr. Mohamed Bak K	International Conference on Advances in Materials Processing	Conference (Online)	08.01.2022 to 09.01.2022	NIT, Raipur	Nil
5.	Dr. V. Muralidharan	Prognostics and Health Management of Engineering Systems	AICTE Short Term Course (STC)	07.03.2022 to 12.03.2022	IIT Madras	Nil
7.	Syed Shaul Hameed	Prognostics and Health Management of Engineering Systems	AICTE Short Term Course (STC)	07.03.2022 to 12.03.2022	IIT Madras	Nil
8.	D. Pradeep Kumar	Prognostics and Health Management of Engineering Systems	AICTE Short Term Course (STC)	07.03.2022 to 12.03.2022	IIT Madras	Nil
9.	Dr. G Rajesh	Unconventional Machining Process	7 Days FDP	26.07.2021 to 02.08.2021	Sri Sairam Engineering College, Chennai,	Nil
10.	Dr. G. Rajesh	Additive manufacturing	6 Days FDP	23.08.2021 to 28.08.2021	Sri Manakula Vinayagar	Nil



S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
		process and its applications			Engineering College, Pondicherry	
11.	Syed Shaul Hameed	Inculcating Universal Human Values in Technical Education	5 Days FDP	13.09.2021 to 17.09.2021	AICTE	Nil
12.	Dr. K. Sathickbasha	Automotive Engineering Systems	5 Days FDP	04.10.2021 to 08.10.2021	SAE Indian In Association with ARAI Academy	Nil
13.	Dr. K. Sathickbasha	Automotive Friction Materials	5 Days FDP	13.12.2021 to 17.12.2021	SRMIST	Nil
14.	Sivakumar C	Smart Manufacturing	5 Days FDP	21.02.2022 to 25.02.2022	NITTR, Chennai	Nil
15.	Ravikumar N	Smart Manufacturing	5 Days FDP	21.02.2022 to 25.02.2022	NITTR, Chennai	Nil
16.	Dr. K. Sathickbasha	Composite Materials for Ballistic Protection	Seminar Online	22.10.2021	PSG college of Technology and University of New South Wales, Australia	Nil
17.	Dr. Mohamed Bak K	The Evolution of Engineering Education	Seminar (Online)	10.12.2021	Knowledge Sharing Team, EFY Group, Chennai	Nil
18.	Dr. K. Sathickbasha	Photovoltaics in 360 (Design to Implementation)	5 Days Webinar	02.08.2021 to 06.08.2021	BSACIST	Nil
19.	D. Pradeep Kumar	Mathematical Applications in Data Science	Webinar	31.01.2022	B.S. Abdur Rahman Crescent Institute of Science and	-

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
					Technology	
20.	Syed Shaul Hameed	Awareness on Implementation of Virtual Labs for Science, Technology and Engineering Programs	Webinar	22.03.2022	IEEE Hyderabad Section	Nil

➤ **Papers Published/ Presented in Journals & Conferences**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	1	6	-	-	-	80	-	87

➤ **Details (list) of the Publications in National & International Journals & Conferences: (IEEE Format)**

**International Journals**

1. S Ramalingam, S Rasool Mohideen (2021) "Composite Materials for Advanced Flexible Link Robotic Manipulators: An Investigation", *International Journal of Ambient Energy*, Vol. 42, pp. 1670 – 1675
2. Mohamed Fahad S, Mahashar Ali J and Siddhi Jailani H (2021) "Characterization of Surface Roughness of Ground Specimens Using Image Processing", *Advances in Design and Thermal Systems*, pp. 133-141
3. S Ramalingam, S Rasool Mohideen, S Manigandan, T P Prem Anand (2021) "Hybrid Polymer Composite Material for Robotic Manipulator Subject to Single Link Flexibility", *International Journal of Ambient Energy*, Vol. 42, pp. 514-521

4. Z F Syed, T R Tamilarasan, S R Mohideen, M S Dennison (2021) “Impact Strength Characterization of Closed-cell Aluminum foam (AL003860) subjected to Cryogenic treatments”, *Design Engineering*, Vol.11, pp. 244 – 263
5. S.Z Fathima, TR Tamilarasan, SR Mohideen, MS Dennison, J Venkatesan (2021) “The Effect of Novel Cryogenic Treatment in the Microstructure Analysis of Al 6101 Closed-Cell Foam”, *Advances in Design and Thermal Systems*, pp. 19-37
6. Syed Shaul Hameed, V Muralidharan, Bernadetta Kwintiana Ane (2021) “Comparative Analysis of Fuzzy Classifier and ANN with Histogram Features for Defect Detection and Classification in Planetary Gearbox”, *Applied Soft Computing*, Vol. 106
7. Syed Shaul Hameed, V Muralidharan, D Pradeepkumar, S Ravikumar (2021) “Fault Classification using Fuzzy Logic in an Epicyclic Gearbox with Statistical Features”, *SAE Technical Paper*, Vol. 2021-28- 0220.
8. MD Mohiuddin, SR Mohideen (2021) “Toughness Property Evaluation of Additive Welded Low Carbon Steel Weldments”, *Advances in Design and Thermal Systems*, pp. 434-439
9. Sivakumar C, Muralidharan V, Ravikumar Natarajan, D Murali Manohar, Syed Anwar S (2021) “Numerical Analysis on Mechanical Behavior of Viscoelastic Nano Composite”, *SAE Technical Paper*, Vol. 2021-28-0220
10. Ravikumar Natarajan, Rizwan Asif S, Sivakumar C, D Murali Manohar (2021) “Experimental Modal Analysis Study on Graphene Filled SBR”, *SAE Technical Paper*, Vol. 2021-28-0220
11. Sathickbasha K., Selvakumar A.S., Surya Rajan Balachandran, Hariharasakthisudhan P. (2021) “Multi-metal Sulfide Pre-Blend Combination on the Tribological Performance of the Brake Friction Material”, *Industrial Lubrication and Tribology*, Vol. 73
12. Hariharasakthisudhan P, Logesh Kamaraj, Surya Rajan B, Sathickbasha K (2021) “Evaluation of Mechanical Properties of Novel GLARE laminates filled with Nanoclay”, *Polymer Composites*, Vol. 42, pp. 4015-4028
13. KJ Nagarajan, NR Ramanujam, MR Sanjay, Suchart Siengchin, B Surya Rajan, K Sathick Basha, P Madhu, GR Raghav (2021) “A Comprehensive Review on Cellulose Nanocrystals and Cellulose Nanofibers: Pretreatment, Preparation, and Characterization”, *Polymer Composites*, Vol. 42, pp. 1588-1630
14. K. Bak1 Mohamed, L. T. Augustin Lijo, R. Ramya, Priya Sri Lakshmi, R. Harini, N. Ramasamy (2021) “Structural and Thermal Analysis of Composite Wind Turbine Blade for Wind Mill Applications”, *Advances in Design and Thermal Systems*, pp 1-17

15. Karthik, R. Karunanithi, A. S. Selvakumar and A. Srinivasan (2021) "The Impact of Squeeze Casting in AMMC- Review", *Advances in Design and Thermal System, Lecture Notes in Mechanical Engineering*, Springer, pp. 253-259
16. M. Arul Murugan and A. S. Selvakumar (2021) "Effect of Barium Sulfate on Mechanical, DMA, Wear Analysis of Woven Hybrid with Wire Mesh Composite", *Advances in Design and Thermal System, Lecture Notes in Mechanical Engineering*, Springer, pp. 529-539
17. Varun Kumar A, A. S. Selvakumar, K. Backhander, A. Waseem Ahmed and A. Yashar Arabath (2021) "Correlation between Material Properties and Free Vibration Characteristics of TIG and Laser Welded Stainless Steel 304 Reinforced with Al<sub>2</sub>O<sub>3</sub> Microparticles", *Engineering Science and Technology*, Vol. 24, pp. 1253-1261
18. Shaik Abrar Ahmed, M Fakouri Hasanabadi, Varun Kumar A (2021) "Joining of Ceramic to Metal by Friction Welding Process: A Review", *Journal of Materials: Design and Applications*, Vol. 235, pp. 1723-1736
19. Ravikumar N, Tamilarasan TR, Rajendran R (2021) "Effect of Graphene on Friction and Wear Behavior of Friction Composite Tested against Grey Cast Iron Disc Alloyed with Copper", *Carbon Trends*, Vol. 3, pp. 100031
20. Jamesha Ibrahim K, Thirumurugan M, Jeyakumar P D, Arockia Julias A, Mohamed Fahad S (2021) "Drilling Performances of kenaf fibre/steel Mesh Reinforced Hybrid Epoxy Composites", *Advances in Design & Thermal Systems, Lecture Notes in Mechanical Engineering*, Springer, pp. 291-300
21. Prahbu K, Jeyakumar P D, Dineshkumar C, Vasanthan B, Arockia Julias A, Thirumurugan M (2021) "Development of Onboard Engine Management System - Prediction of Oil Degradation", *Advances in Design & Thermal Systems, Lecture Notes in Mechanical Engineering*, Springer, pp. 349-359
22. Arockia Julias A, Jeyakumar Ponniah Daniel, D Murali Manohar, Thirumurugan Muthiah, and Sathish Kumar R (2021) "Flexural Behavior of Hybrid Layered Composites Suitable for Automotive Structural Applications", *SAE Technical Paper*, Vol. 2021-28-0220
23. Arockia Julias A, Abdul Kareem, Ganesh Raman A, Jeyakumar Ponniah Daniel, and Prabu Krishnasamy (2021) "Mechanical Studies on Polycaprolactone Based Green Composite", *SAE Technical Paper*, Vol. 2021-28-0220
24. R. Sathish Kumar, M. Mohanraj, P. Natarajan, A. Arockia Julias & Sathyamurthy Ravishankar (2021) "Experimental Study on the Drilling Parameter Analysis of Banana Fiber Reinforced Vajram Mixed Phenolic Resin Composite Laminates", *Journal of Natural*

*Fibers*, pp.1-18

25. G. Rajesh & R. Raju (2021) “A Fuzzy Inference Approach to Supplier Segmentation for Strategic Development”, *South African Journal of Industrial Engineering*, Vol. 32, pp. 44-55
26. Gurukarthik Babu, Prince Winston, Gokul, Mohamed Nasrulla, Vignesh, Ram kumar, A. Muthu Manokar, Ravishankar Sathyamurthy (2021) “Investigation of Performance Enhancement of Solar Still incorporated with Gallus Gallus Domesticus Cascara as Sensible Heat Storage Material”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 611–624
27. Asif Afzal\*, A.D. Mohammed Samee, R.D. Jilte, Md. Tariqul Islam, A. Muthu Manokar, Kaladgi Abdul Razak (2021) “Battery Thermal Management: An Optimization Study of Parallelized Conjugate Numerical Analysis using Cuckoo Search and Artificial Bee Colony Algorithm”, *International Journal of Heat and Mass Transfer*, ISSN: 0017-9310, Elsevier, Vol. 166
28. Ravishankar Sathyamurthy, A.E. Kabeel, Ali Chamkha, A. Karthick, A. Muthu Manokar, M. G. Sumithra (2021) “Experimental Investigation on Cooling the Photo Voltaic Panel Using Hybrid Nanofluids”, *Applied Nanoscience*”, ISSN:2190-5517, Springer, Vol. 11, pp. 363–374
29. Chandrika; M. Mohamed Thalib; A Karthick\*; Ravishankar; A, Muthu Manokar, S. Umashankar; B, Stalin (2021) “Performance assessment of free standing and building integrated grid connected photovoltaic system for southern part of India”, *Building Services Engineering Research and Technology*, ISSN:1477-0849, SAGE Publishing, Vol. 42, pp. 237-248
30. A. Rajendra Prasad, Ravishankar Sathyamurthy, M. Sudhakar, B. Madhu, D. Mageshbabu, A. Muthu Manokar, Ali J Chamkha (2021) “Effect of design parameters on fresh water produced from triangular basin and conventional basin solar still”, *International Journal of Photoenergy*, 1687-529X, Hindawi, Vol. 2021
31. Abderrahmane Khechekhouche, A. Muthu Manokar\*, Ravishankar Sathyamurthy, Fadl A Essa, Milad Sadeghzadeh\*, Alibek Issakhov (2021) “Energy, Exergy Analysis, and Optimizations of Collector Cover Thickness of a Solar Still in El Oued Climate, Algeria”, *International Journal of Photoenergy*, 1687-529X, Hindawi, Vol. 2021
32. Vigneshkumar Ramalingam, Alagar Karthick, Manoj V. J. Praveen, arul marcel moshi, Ravishankar Sathyamurthy, A. Muthu

- Manokar(2021) “Enhancing the fresh water produced from inclined cover stepped absorber solar still using wick and energy storage materials”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 18146–18162
33. Mohammed El Hadi Attia\*, Zied Driss, Abd Elnaby Kabeel, Karthick Alagar, A. Muthu Manokar\*, Ravishankar (2021) “Phosphate bags as energy storage materials for enhancement of solar still performance”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 21540–21552
  34. Ravindra jilte, Asif Afzal, Md. Tariqul Islam, A. Muthu Manokar (2021) “Hybrid cooling of cylindrical battery with liquid channels in phase change material”, *International Journal of Energy Research*, ISSN:1099-114X, John Wiley & Sons, Vol. 45, pp. 11065-11083
  35. Amrit Kumar Thakur, Ravishankar Sathyamurthy, Swellam W. Sharshir, Abd elnaby Kabeel, Elkadeem Zhenjun Ma, A. Muthu Manokar, Müslüm Arıcı, A.K.Pandey, R.Saidur, (2021) “Performance analysis of a modified solar still using reduced graphene oxide coated absorber plate with activated carbon pellet”, *Sustainable Energy Technologies and Assessments*, ISSN: 2213-1388, Elsevier, Vol. 45
  36. Mohammed El Hadi Attia, A. Muthu Manokar, Abd Elnaby Kabeel, Zied Driss, Ravishankar Sathyamurthy, Wael Al-Kouz\* (2021) “Comparative study of a conventional solar still with different basin materials using exergy analysis”, *Desalination and water treatment*, ISSN:1944-3986, Desalination Publications, Vol. 224, pp. 55-64
  37. Asif Afzal, Md. Tariqul Islam, Abdul Razak Kaladgi, A. Muthu Manokar, Olusegun David Samuel, MA Mujtaba, Manzoore Elahi M Soudagar, H.Fayaz, Hafiz Muhammad Ali (2021 ) “Experimental investigation on the thermal performance of inserted helical tube three-fluid heat exchanger using graphene/water nanofluid”, *Journal of Thermal Analysis and Calorimetry*, ISSN:1588-2926, Springer, Vol. 28, pp. 22296–22309
  38. Muthu Manokar, A Karthick (2021) “Review on progress in concrete solar water collectors”, *Environmental Science and Pollution Research*, Vol. 28, pp. 22296–22309
  39. Chandrika, Mohammed El Hadi Attia, A. Muthu Manokar, Fausto Pedro Garcia Marquez, Zied Driss and Ravishankar Sathyamurthy (2021) “Performance enhancements of conventional solar still using reflective aluminium foil sheet and reflective glass mirrors: energy and exergy analysis”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp.

32508–32516

40. Gurukarthik Babu Balachandran\*, Prince Winston David, Vignesh Radhakrishnan, Mohamed Nasrulla Akbar Ali, Vishnu Karan Baskaran, Dhanasekaran Virumandi, Muthu Manokar Athikesavan, Ravishankar Sathyamurthy (2021) “Investigation on the performance enhancement of single-slope solar still using green fibre insulation derived from *Artocarpus heterophyllus* rags reinforced with *Azadirachta indica* gum”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 32879–32890
41. Rajendra Prasad Arani, Ravishankar\*, Ali Chamkha, Abd elnaby Kabeel, Mageshbabu D, Kasi Kamalakannan, Madhu B, A. Muthu Manokar, F.A. Essa, Saravanan Arumugam (2021) “Effect of fins and silicon dioxide nanoparticle black paint on the absorber plate for augmenting yield from tubular solar still”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 35102–35112
42. Hemanth Kumar A, Hariprasath V, A.E Kabeel, Ali Chamkha, A. Muthu Manokar, Ravishankar Sathyamurthy, Kamalakannan Kasi (2021) “Recent advancements, technologies, and developments in inclined solar still—a comprehensive review”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 35346–35375
43. Mohammed El Hadi Attia\*, Abd Elnaby Kabeel, Abdelkader Bellila, A. Muthu Manokar, Ravishankar Sathyamurthy, Zied Driss, S. Muthusamy (2021) “A comparative energy and exergy efficiency study of hemispherical and single-slope solar stills”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 35649–35659
44. Amrit Kumar Thakur; Ravishankar S, Swellam W. Sharshir, Abd Elnaby Kabeel, Muthu Manokar A, Wensheng Zhao (2021) “An experimental investigation of a water desalination unit using different microparticle-coated absorber plate: yield, thermal, economic, and environmental assessments”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 37371–37386
45. Mohammed El Hadi Attia\*, Zied Driss, Abd Elnaby Kabeel, Asif Afzal, A. Muthu Manokar, Ravishankar Sathyamurthy (2021) “Phosphate bed as energy storage materials for augmentation of conventional solar still productivity”, *Environmental Progress & Sustainable Energy*, ISSN:1944-7450, American Institute of Chemical Engineers, John Wiley & Sons, Vol. 40

46. Abdul Razak Kaladgi, Asif Afzal, A. Muthu Manokar, Deepak Thakur, Umit Agbulut, Saad Alshahrani, Ahamed Saleel, Ram Subbiah (2021) “Integrated Taguchi-GRA-RSM optimization and ANN modelling of thermal performance of Zinc oxide nanofluids in an automobile Radiator”, *Case Studies in Thermal Engineering*, ISSN: 2214-157X, Elsevier, Vol. 26
47. Sivakumar Vaithilingam\*, Sakthivel Thirumalai Gopal, Senthil Kumar Srinivasan, A. Muthu Manokar, Ravishankar, Ganapathy Sundaram Esakkimuthu, Mohsen Sharifpur\*\*, Ravinder Kumar (2021) “An Extensive Review on Thermodynamic Aspect Based Solar Desalination Techniques”, *Journal of Thermal Analysis and Calorimetry*, ISSN:1588-2926, Springer, Vol. 145, pp. 1103–1119
48. Mohamed Thalib, M. Vimala, A. Muthu Manokar\*, Ravishankar Sathyamurthy, Milad Sadeghzadeh, Mohsen Sharifpur\*\* (2021) “Energy Exergy and Economic investigation of passive and active inclined solar still: Experimental Study”, *Journal of Thermal Analysis and Calorimetry*, ISSN:1588-2926, Springer, Vol.145, pp.1091–1102
49. Mohammed El Hadi Attia\*, A. Karthick, A. Muthu Manokar, Zied Driss, Abd Elnaby Kabeel, Ravishankar Sathyamurthy, Mohsen Sharifpur\*\* (2021) “Sustainable potable water production from conventional solar still during winter season at Algerian dry areas”, *Journal of Thermal Analysis and Calorimetry*, ISSN:1588-2926, Springer, Vol. 145, pp. 1215–1225
50. Mohammed El Hadi Attia\*, Zied Driss, Abd Elnaby Kabeel, Mohamed Abdelgaied, A. Muthu Manokar, Ravishankar and Ahmed Kadhim Hussein (2021) “Performance Evaluation of Modified Solar Still using Aluminum Foil Sheet as Absorber Cover– a Comparative Study”, *Journal of Testing and Evaluation*, ISSN: 0090-3973, American Society for Testing and Materials, Vol. 49
51. Belkheir Benoudina\*, Mohammed El Hadi Attia\*, Zied Driss, Asif Afzal, A. Muthu Manokar, Ravishankar (2021) “Enhancing the Solar still output Using Micro/Nano-Particles of Aluminum Oxide at Different Concentrations: An experimental study, energy, exergy and economic analysis”, *Sustainable Materials and Technologies*, ISSN: 2214-9937, Elsevier, Vol. 29
52. Arani Rajendra Prasad, Mohammed El Hadi Attia, Wael Al-Kouz, Asif Afzal, A. Muthu Manokar, Ravishankar Sathyamurthy (2021) “Energy and exergy efficiency analysis of solar still incorporated with copper plate and phosphate pellets as energy storage material”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28
53. Tikendra ermNath Va, Upendra Rajak\*, Abhishek Dasore, Asif Afzal\*, A.Muthu Manokar, Abdul Aabid, Muneer Baig (2021) “Experimental and empirical investigation of a CI engine fuelled with blends of diesel and roselle biodiesel”, *Scientific Reports*,



ISSN 2045-2322, Vol. 11

54. Raj Kumar, Gaurav, Sushil Kumar, Asif Afzal, A. Muthu Manokar, Mohsen Sharifpur, Alibek Issakhov (2021) “Experimental investigation of impact of the energy storage medium on the thermal performance of double pass solar air heater”, *Sustainable Energy Technologies and Assessments*, ISSN: 2213-1388, Elsevier, Vol. 48
55. Essa F. A\*.; Zakaria Omara; Abdelkader Abdullah; Sengottiyar Shanmugan; Hitesh Panchal; A E Kabeel; Ravishankar S; Muthu Manokar; Ammar Elsheikh; Mohamed Abdelgaied; Bahaa Saleh (2021 ) “Augmenting the productivity of stepped distiller by corrugated and curved liners, CuO/paraffin wax, wick, and vapor suctioning”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 56955–56965
56. Gurukarthik Babu \*, Prince Winston, Anandha Balaji, A. Muthu Manokar, Padmanaban, Krishna Kumar, Vinothkumar , Abd Elnaby Kabeel, Ravishankar Sathyamurthy, Fausto Pedro Garcia Marquez (2021) “A relative study on energy and exergy analysis between conventional single slope and novel stepped absorbable plate solar stills”, *Environmental Science and Pollution Research*, ISSN:1614-7499, Springer, Vol. 28, pp. 57602–5761805
57. Hassane Boushaba, Hajar Hafs, Mohamed Asbik\*, Abdelghani Koukouch, Abderraouf Sabri, A. Muthu Manokar (2021) “Investigating the effect of sensible and latent heat storage materials on the performance of a single basin solar still during winter days”, *Journal of Energy Storage*, ISSN: 2352-152X, Elsevier, Vol. 44
58. Prabu K, G Rajamurugan, M Thirumurugan (2021) “Performance of fiber metal laminate composites embedded with Al and Cu wire mesh”, *Journal of Industrial Textiles*, Vol. 51, pp. 540-558
59. Basanta Kumar Behera, Thirumurugan M (2021) “The Addition of Polytetrafluoroethylene and Graphite on Acrylonitrile butadiene styrene and its effects on Mechanical and Tribological Characteristics”, *Advances in Design and Thermal Systems*, Vol., pp. 221-234
60. Sri Nithya Mahottamanada, Vanchhit Kumar Dubey, Afreen Abdul Khaleel, Dinesh S, Ashiq wahab, Kadiresh P.N, Thirumurugan M (2021) “Mechanical Characteristics of Ethylene Vinyl Acetate Mixed Beeswax Fuel for Hybrid Rockets”, *Advances in Design and Thermal Systems*, pp. 389-400

61. Vanchhit Kumar Dubey, Afreen Abdul Khaleel, Sri Nithya Mahottamananda, P.N. Kadiresh, Thirumurugan M (2021) “Mechanical Characteristics of Paraffin Wax, Beeswax and HTPB as Rocket Propellant – A Comparative Study”, *Advances in Design and Thermal Systems*, pp. 243-252
62. K. Radhakrishnan, V. Muralidharan (2021) “The Effect of Quenching Mediums on Heat Treatment Properties of Multi-pass Welding of 0.3%C-Cr-Mo-V Steel”, *Advances in Design and Thermal Systems*, pp. 463-474
63. K. Radhakrishnan, V. Muralidharan (2021) “A Study on the Welding and Heat Treatment of 0.3%C-Cr-Mo-V Steel”, *Advances in Design and Thermal Systems*, pp. 463-474
64. Basanta Kumar Behera, M. Thirumurugan (2021) “A study on visco-elastic, thermal and mechanical characteristics of injection molded ABS/graphite composite”, *Materials Today: Proceedings*, Vol. 56, pp.2915-2922
65. Sivakumar V, Vimala M, A Muthu Manokar, Asif Afsal, Ravishankar S (2021) “Energy and exergy analysis of conventional acrylic solar still with and without copper fins”, *Environmental Science and Pollution Research*. Vol.29, pp.6194-6204
66. C Sasikumar, A Muthu Manokar, M Vimala, D. Princeton, A E Kabeel, Ravishankar S, Ali J Chandrika (2021) “Experimental studies on passive inclined solar panel absorber solar still”, *Journal of thermal Analysis and Calorimetry*, Vol.139, pp.3649-3660
67. M. Prashanth, R. Karunanithi, S. Rasool Mohideen, S. Sivasankaran, (2021) “An exploration on microstructural observation and mechanical behavior of nanocrystallite Al 7017 alloy via mechanical alloying and uniaxial hot pressing”, *Materials Characterization*, Vol. 171
68. M. Prashanth, R. Karunanithi, S. Rasool Mohideen, S. Sivasankaran (2021) “A comprehensive exploration on the development of nano Y<sub>2</sub>O<sub>3</sub> dispersed in AA 7017 by mechanical alloying and hot-pressing technique”, *Ceramics International*, Vol .47, pp. 22924–22938
69. Showkat Ali, R. Karunanithi, M. Prashanth, S. Sivasankaran (2021) “A novel study on mechanically alloyed nanocrystalline Ti-6Al-4V alloy fabricated by spark plasma sintering”, *Powder Metallurgy*, Vol. 64, pp. 149-164
70. A Karthik, SA Srinivasan, R Karunanithi, SP Kumaresh Babu, Vikram Kumar S Jain (2021) “Influence of CeO<sub>2</sub> reinforcement on microstructure, mechanical and wear behaviour of AA2219 squeeze cast composites”, *Journal of materials research and*

*technology*, Vol. 14, pp. 797-807

71. A Karthik, R Karunanithi, SA Srinivasan, SP Kumaresh Babu, R Narayanan (2021) “Beneficial effect of CeO<sub>2</sub> on the corrosion behaviour of AA2219 squeeze-cast composites—An experimental investigation”, *Materials Letters*, Vol. 297
72. K. Prabu, P. D. Jeyakumar, C. Dineshkumar, B. Vasanthan, A. Arockia Julius, and M. Thirumurugan (2021) “Development of Onboard Engine Management System-Prediction of Oil Degradation”, *Advances in Design and Thermal Systems*, Vol., pp. 349-360
73. Mohammed Thalib Mohamed Rafeek, M. Vimala, A Muthu Manokar, Ravishankar S, A E Kabeel (2021) “Experimental investigation of an active inclined solar panel Absorber solar still - energy and exergy analysis”, *Environmental Science and Pollution Research*, Vol. 29, pp. 1404-1418
74. A E Kabeel, Paul Durai Leon Dharmadurai, Sathiyaseelan V, Ravishankar S, Bharathwaj R, A MuthuManokar, Ali Chandrika (2021) “Experimental Studies on natural convection open and closed solar drying using external reflector”, *Environmental Science and Pollution Research*, Vol. 29, pp. 1391 - 1400
75. Baskar, M.A. Sai Balaji, N. Nithyanandan, A. Krishnamoorthy (2021) “Connecting business centres and establishing central nodal centres considering distance, population and real GDP as weights using the Weiszfeld algorithm and concept of minimum cost spanning tree - an analysis”, *International Journal of Services and Operations Management*, Vol. 39, pp. 121-149
76. J. Susai Mary, M.A. Sai Balaji, A. Arockia Selvakumar, D. Dinakaran (2021) “Adaptive control of tool wear by grey wolf optimization and neural controller in drilling”, *International Journal of Robotics and Automation*, Vol. 36
77. P.Baskara Sethupathi J.Chandradass, M.A.Saibalaji (2021) “Comparative study of disc brake pads sold in Indian market — Impact on safety and environmental aspects”, *Environmental Technology & Innovation*, Vol. 21
78. A.Eakambaram P.Baskara Sethupathi M.A.Saibalaji A.Baskar (2021) “Experimental analysis and Validation of torsional stiffness of a Tubular space frame chassis”, *Materials Today: Proceedings*, Vol.46, pp.7719-7727
79. Arockia Selvakumar J. Susai Mary, D. Dinakaran, M. A. Sai Balaji, S. Satishkumar (2021) “Monitoring and Modeling of Cylindricity Error Using Vibration Signals in Drilling”, *Handbook of Smart Materials, Technologies, and Devices*
80. G Mahendran, MAS Balaji, JS Mary, D Dinakara (2021) “Prediction and Modeling of Tool Wear with Cutting Force and Fine

Gaussian Support Vector Machine in Drilling”, *Advances in Design and Thermal Systems*, pp. 421-429

### **International Conference:**

1. Syed Quadir Moinuddin, Syed Shaul Hameed, Ashok Kumar Dewangan, K Ramesh Kumar, A Shanta Kumari, A study on weld defects classification in gas metal arc welding process using machine learning techniques, *Materials Today: Proceedings*, Vol.43, pp. 623-628
2. A.Muthu Manokar, Fausto Pedro Garcia Marquez, M. Mohamed Thalib, Ravishankar Sathyamurthy, Annual yield, environmental and economic analysis of tubular solar stills with phase change material and nano-enhanced phase change material, 15<sup>th</sup> International Conference on Management Science and Engineering Management (2021 ICMSEM) in Toledo, Spain from 1-4 August, 2021
3. Djamel Khamaia\*, Ridha Boudhiaf, Abderrahmane Khechekhouche, A. Muthu Manokar, Zied Driss, Effect of sand from Illizi city of south Algeria on solar distillation 6<sup>th</sup> International Conference on Mechanics and Energy in Sousse, TUNISIA from 27-29<sup>th</sup> December, 2021
4. V.S. Chandrika, G. Saravanan, A. Mohamed Ibrahim, Hema C, A. Muthu Manokar, Improved Logistic Map Approaches based Adaptive Differential Evolutionary Algorithm for IoT Controlled E-Vehicle Motor 6<sup>th</sup> International Conference on Mechanics and Energy in Sousse, TUNISIA from 27-29<sup>th</sup> December, 2021.
5. S. Ramalingam, S. Rasool Mohideen, A. Muthu Manokar, Dynamic Analysis of Different Composite Materials for Robotic Flexible Manipulator, 6<sup>th</sup> International Conference on Mechanics and Energy in Sousse, TUNISIA from 27-29<sup>th</sup> December, 2021
6. M.A. Sai Balaji, Eakambaram Arumugam S. Habib Rahmathulla, H. Sultan Navid, P. Baskara Sethupathi, The Effect of Chopped Steel Fibre Orientation on Frictional Properties in a Phenolic Resin-based Asbestos-free Semi metallic Friction Material, *Euro Brake 2021*, Spain

### **National Conference:**

1. Thiruppathi V, Arockia Julias A, Development of Rattle Noise Reduced Steering Gear Assembly for Column Type Electric Power Steering System *Advanced Research In Mechanical Sciences*, SRM Institute Of Science And Technology, India

➤ **Patents (Obtained / Applied):**

S.No	Details of the Faculty & Affiliation	Title of the Patent	Details of the Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1.	Dr. Ramalingam & Dr. Rasool Mohideen	A Robotic Lift System	-	√	-	-
2.	Dr. S. Jeavudeen & Dr. Siddhi jailani	Eductor based Power-Mixed Electric Discharge Machining (PMEDM) Setup	-	√	-	Rs 15550
3.	Dr. M.A. Sai Balaji & Mr. A. Eakambaram	A Method of Developing a Low-Metallic Brake Pad Mixture	-	√	-	-

➤ **Details of Impact Factor of the Publication and H-Index of the department:**

- a. Range: 4 - 8.263
- b. Average: 2.802
- c. H-Index: 36
- d. No. In Scopus: 354

➤ **Sponsored Research (Ongoing / Granted):**

S.No	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount Details in Lakhs				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr. R. Karunanithi	DST-SERB TARE	Synthesis and Characterization of ZrO <sub>2</sub> Dispersed Ti Alloys	18.3	2.75	2.75	Nil	Ongoing
2.	Dr. B. Surya Rajan	DST-SERB TARE	rGO Coated Steel Fibers for Coated Steel Fibers with Enhanced Thermal Conductivity and Wear	18.3	2.75	-	2.5	Ongoing

			Resistance					
3.	Dr. H. Siddhi Jailani	AICTE	Non-contact Surface Roughness Measurement of Machined Surfaces using Wavelet Metrics of Laser Speckle Images	8.67	-	-	-	Ongoing

➤ **Details of Major Equipment Purchased:**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount
1.	HP 280G8 - 30	HP, India	30.03.2022	15.07.2022	Rs 1590750
2.	Planetary mono mill classic line	Fritsch Gmbh, Germany	09.03.2022	09.07.2022	13850 Euro

➤ **Achievements of Faculty & non-teaching staff:**

S.No	Name of the Faculty/ non-teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr. Mohamed Bak Kamaludeen	Excellence in Reviewing	Journal of applied science and Technology, India	2.05.2022

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1	Aabid ahmed & NPTEL	190021601001	Electric vehicles and renewable energy	12 weeks	83%, Silver grade	July – October 2021

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of development activity	Duration	Details of the Faculty & Student participants	Objectives	Outcomes
1.	Webinar on “Role of Mechanical Engineers in ISRO” on 02.06.2021	1 day	Dr. M. Thirumurugan, Asso. Prof. Dr. B. Surya Rajan. Asst. Prof. and 60 numbers of 3 <sup>rd</sup> & 4 <sup>th</sup> Year Mechanical Engineering students	Motivation, Job opportunities on ISRO	Awareness on Job opportunities at ISRO
2.	Webinar on “Lean Six Sigma for Industries” on 15.07.2021	1 day	Dr. S. Ravikumar, Asst Professor and 39 students	To acquire skills on lean six sigma approach	Awareness on industrial six sigma practice
3.	Webinar on “Modelling and Analysis of Blocked Coronary Artery How far are we from Mechanical Engineering?” on 23.07.2021	1 day	Dr. Serajul Haque, Asst Professor, and 53 faculties and student members.	Emphasize the modelling and analysis concepts for real systems	Understand the Mathematical Modelling and Analysis of Blocked Coronary Artery with mechanical concepts.
4.	Webinar on “Introduction to Industrial Design (Industry 4.0) – Visualisation and Conceptualisation” on 08.09.2021	1 day	Dr. S. Rasool Mohideen, Dean (SMS), Dr. S. Ravikumar, Asst Professor, and 200 students members of 3 <sup>rd</sup> & 4 <sup>th</sup> -year students.	To know the importance of Industry 4.0	Awareness on the significance of industry 4.0 in current core industries.
5.	Three days’ workshop on “Industry 4.0 – Industrial Design, Visualisation & Conceptualisation” (27.10.2021 – 29.10.2021)	3 days	Dr. S. Rasool Mohideen, Dean (SMS), Dr. S. Ravikumar, Asst Professor and 37 student members	To know the importance of Industry 4.0	Awareness on the significance of industry 4.0 in current core industries.
6.	Workshop on “Design now workshop using Autodesk Fusion 360” on 27 <sup>th</sup> October 2021	1 day	Dr. H. Siddhi Jailani, Dr. K. Mohamed Bak, Asst Professor Associate Professor and Head, and 70 students of final year	Emphasize on Autodesk software	Understand the features of Fusion 360
7.	MECHA RUSH 2022 – A Technical Symposium	1 day	All faculties and students members	To work in a team, organizing	Team work, Talent identification



S.No	Details of development activity	Duration	Details of the Faculty & Student participants	Objectives	Outcomes
				capability,	
8.	MoU with Dasault system for Centre of excellence	---	Open to all students	Make students industry-ready software tools users	Practice and Understand the graphical user interface of 3D experience software.

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	M/s. Mando Automotive India Private Ltd.	Higher education to the Operating Engineers with D.M.E Qualification	20 <sup>th</sup> December, 2017	Ongoing		41 Operating engineers graduated
2.	M/s. Apollo Tyres Ltd.	To impart higher education to the Diploma Engineers	15 <sup>th</sup> October, 2020	Ongoing		14 Operating Engineers graduated

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	SME	Inauguration of Professional Societies	25	150	-	Mr. E. Nandakumar, Engineering Head, Caterpillar Inc.	Students came to know about the various activities of professional societies and the competitions conducted.	Society- Inauguration
2.	SAE	Electric Two-Wheeler Design Competition 2021	1	10	-	NA	Practice on design, analysis and fabrication techniques and Team	Practical knowledge gain in the

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
							working habits	area of electric 2 wheeler fabrication
3.	SME	webinar on “Scope for Research in Opto Mechatronics	2	25	-	Mr. Saran Kumar Opto-Mechatronics Lab IIT Madras	Students got to know about the field of Opto-Mechatronics and its opportunities.	Gain knowledge on Opto mechatronics
4.	SAE	Workshop for Dr. G Padmanabham Memorial Electric Two-Wheeler Design Competition 2022	1	10	-	Mr. Pradeep C, Lead Champion / ETWDC21. Force Motors Pune.	Understand the electric 2 wheeler design and analysis.	Skill development on electrification of mobility
5.	ISHRAE	Guest lecture on Air Conditioning System Overview - Types & Trends	2	22	-	Mr. S. Subramania Raja, Enmac Systems Pvt. Ltd, Chennai	Students got an overview of types and recent developments in air conditioning system.	Guest lecture -Air Conditioning System
6.	SME	Online Competition for School Students MEGA Young Talent Search 2022	8	35	-	NA	School students are exposed to the principles of Engineering products and its functions.	Online Competition
7.	ISHRAE	Students attended the technical workshop on clean room for pharma industries	1	18	-	Mr. E. R. Muralikanth M.K. Services Chennai.	Students gained knowledge on maintaining indoor air quality in pharma industries.	Workshop by ISHRAE
8.	ISHRAE	Students attended the Workshop on electrical safety in HVAC industry	1	12	-	Mr. Ravi Shankar JEF Techno solutions Bangalore	Students were exposed to electrical safety aspects in HVAC industries.	Workshop by ISHRAE



**Guest Lecture on “Air Conditioning System Overview – Types & Trends” on 01.06.2022**



MECHA RUSH 2022 – A Technical Symposium (26<sup>th</sup> May, 2022. Chief Guest for the function, Mr. D. Janarthanan, Sr. Engg. Manager, L&T Ltd.)



Three days workshop on “Industry 4.0 – Industrial Design, Visualisation & Conceptualisation” (06.04.2022 to 08.04.2022)



Inauguration of Mechanical Societies for the Academic year 2021-22 (Society of Mechanical Engineers (SME), Society of Automotive Engineers (SAE), American Society of Mechanical Engineers (ASME), and Indian Society for Heating Refrigeration and Air conditioning Engineering (ISHRAE) on 21<sup>st</sup> Sep., 2021)





Table: 1\_Authors\_singlyr\_2021\_pubt\_sinx\_1788\_wppp\_amaated\_202209 - Goal (Product Activation Failed)

1	authfull	inst_name	entry	np0021	firstyr	lastyr	hws (ms)	nc2121 (n h21 (ms))	hns21 (ms)	ngs (ms)	ncs (ms)	fi
73053	Althakesaran, Muthu Mani	B.S.Abdur Rahman University	ind	98	2014	2022	13,053	039	15	0.1047	2	3
96798	MubarakAli, Dawoodbasha	B.S.Abdur Rahman University	ind	08	2011	2022	16,757	711	15	5.2334	2	1
110710	Randurangan, Ahsak Kiam	B.S.Abdur Rahman University	ind	52	2008	2022	1,13,305	254	9	4.5468	2	12
127210	Lakshmanaprabu, S. K.	B.S.Abdur Rahman University	ind	50	2014	2021	1,37,164	309	13	4.3405	0	0
200411												
200412												
200413												
200414												
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200424												
200425												
200426												

## DEPARTMENT OF AEROSPACE ENGINEERING

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1	CATIA 3D Experience Software Basic level	April -October 2022	45 hrs	Dassault Systems	10	-	-

### Important Remarks:

This value added programme was conducted under Dassault Systeme - Centre of Excellence established at BSACIST

### ➤ Details of Field visits/Industrial visits organized by the department

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	B.Tech Aeronautical	IV & VI	A	Whole class	Dr S M Satheesh	HAL, Taneja Aerospace & Aviation limited, Bangalore	9.06.2022-10.06.2022 (2 days)	Students got internship from Taneja Aerospace & Aviation limited.	Yes



**Snap shot taken at M/s. Taneja Aerospace & Aviation Ltd., Hosur – Industrial Visit**

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Drone 360	Workshop	22.04.2022	-	Dr K Senthilkumar, Director-CSIR, MIT Campus, Anna University	12	135	-	-
2.	Higher Education Opportunities in Abroad	Guest lecture	28.03.2022	-	Mr. Lakshmi Narayanan from Education Matters, Chennai	-	55	-	-



**Snap Shots of One Day workshop on Drone Building held on 22.04.2022 at BSACIST**

- **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	Drone	1 day	Rs.17,013/-	
2.	Board of Studies	1 day	Rs.6,000/-	
3.	Industrial Visit	2 day	Rs.6,000/-	



➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	S Karthikeyan	Recent Trends in Metal Matrix Composites in Aero Industries	Seminar	30.04.2022	Madha Engineering College	NA
2.	S Karthikeyan	NPTEL E - Awareness workshop	Seminar	17.05.2022	BSACIST	NA

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	-
-	-	4	-	-	-	3	-	-

➤ **Details (list) of the Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

- e) SCI/Scopus Indexed Journal
- f) Other journals

1. M Magesh "Studies on Mechanical and Morphological of TIG Welded Aluminum Alloy", Materials Today: Proceedings, Vol. 59, PP. 1533-1536, 2022
2. V Muralidharan, S Karthikeyan "Thermo Mechanical Analysis of A390 Aluminum Alloy with ZrO<sub>2</sub> Metal Matrix Composites With Various Compositions For IC Engine Piston", Design Engineering, Vol. 08, PP. 2480-2491, 2021
3. Sri Nithya Mahottamananda "Review on the Regression Rate-Improvement Techniques and Mechanical Performance of Hybrid Rocket Fuels" FirePhysChem 1, Vol.no. 4, PP. 272-282, 2021

**International Conference & National Conference:**

- a) **Conference with ISBN Proceedings**
- b) **Other Conferences**

1. M. Magesh, "Performance Analysis of Glass Solar Still for Different Energy Storage Materials using Artificial Neural Network." In AIP Conference Proceedings, vol. 2405, no. 1, p. 050006. AIP Publishing LLC, 2022.
2. M. Magesh, "Optimization of Distillation Parameters for Glass Solar Still for Different Energy Storage Materials using Artificial Neural Network." In 2022 International Conference on Electronics and Renewable Systems (ICEARS), pp. 1791-1798. IEEE, 2022.
3. M. Magesh, "Spider monkey-based metaheuristic tuning of PID controllers for stability landing of UAV'S with SMP-Auxetic landing gears." In 2022 First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT), pp. 1-6. IEEE, 2022.
4. Sri Nithya Mahottamananda and P. N. Kadiresh, "Mechanical Characteristics of Ethylene Vinyl Acetate Mixed Beeswax Fuel for Hybrid Rockets." In Advances in Design and Thermal Systems, pp. 389-400. Springer, Singapore, 2021.

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of the Patent	Details of the Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1.	Dr. Kadiresh P. N Professor	A Soil Excavation Device	Indian Design Patent	-	-	Rs.8000/-

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range **2.3** B) Average **2.3** C) H-Index **6** D) No. In Scopus **3**

➤ **Sponsored Research (Ongoing / Granted)**

S.No	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr. R. Karunanithi	SERB (TARE)	Synthesis and Characterization of ZrO <sub>2</sub> Dispersed Ti, Ti-6Al-4V, Ti-6Al-5V, Ti-6Al-7Nb composite	15 lacs	-	-	-	ongoing

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	High Speed Jet Facility	INDIA	May, 2022	Under process	8,95,500/-
2.	High Speed Camera	Switzerland	December, 2021	March, 2022	4,80,256/-
3.	Drone models	China	December, 2021	February, 2022	5,44,404/-

➤ **Achievements of Faculty & non-teaching staff**

S.No	Name of the Faculty/ non-teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Mr. S.Karthikeyan	Best Paper award in National Conference	Jain (Deemed to be university) College, Bangalore.	June,2022

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Mr. Praveen Kumar	170091601016	ALL India Rank 5	GATE 2022	March, 2022
2.	Mr. Bharath Ajay	180091601004	ALL India Rank 32	GATE 2022	March, 2022
3.	Mr. Syed Rayan R	180091601026	1 <sup>st</sup> Prize (Gold)	Boeing-IIT National Aeromodelling Competition	29.10.2021

4.	M. Danish Kaleem	180091601007	2 <sup>nd</sup> Prize (Silver)	Boeing-IIT National Aeromodelling Competition	29.10.2021
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➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1.	Kaleeswaran Periyasamy - PhD	210963101001	Computational Fluid Dynamics using Finite Volume Method - 3 credit	12 weeks	B	Nov 2021

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	Dassault Systemes	Center of Excellent	March, 2021	Ongoing		Started Training 3D experience software training program for the batch of 30 students in school level

➤ **Important Visitors**

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1.	Dr. Selvirajan	Former Chief Scientist, CSIR Lab, Taramani	03.08.2022, Full day, Board of Studies meeting	To assess the Curriculum and Syllabus for V, VI, VII and elective courses of UR 2021 B.Tech

				Aeronautical engineering
2.	Dr. V .Arumugam	Prof./Aero, MIT Campus, Anna University	03.08.2022, Full day, Board of Studies meeting	To assess the Curriculum and Syllabus for V, VI, VII and elective courses of UR 2021 B.Tech Aeronautical engineering
3.	Dr. P. Vasanthakumar	HoD, Aerospace Dept., Hindustan University	03.08.2022, Full day, Board of Studies meeting	To assess the Curriculum and Syllabus for V, VI, VII and elective courses of UR 2021 B.Tech Aeronautical engineering
4.	Dr. G. Anitha	Assoc Prof, Avionics Dept., MIT, Anna	03.08.2022, Full day, Board of Studies meeting	To assess the Curriculum and Syllabus for V, VI, VII and elective courses of UR 2021 B.Tech Aeronautical engineering
5.	Dr K Senthilkumar	Director-CASR, MIT Campus, Anna University	22.04.2022, Drone 360 Workshop	Create awareness on Drone pilot license training to the students

## DEPARTMENT OF AUTOMOBILE ENGINEERING

### ➤ Details of Field visits/Industrial visits organized by the department

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	Industrial visit	6	-	19	Dr. C. Dineshkumar	Mando India Pvt. Ltd, Chennai	31.5.2022 – 1/2 day	Knowledge in Technical Field in Industry	Yes
2.	Industrial visit	4	-	19	Mr. N. Kamesh	Mando India Pvt. Ltd, Chennai	13.5.2022 – 1/2 day		Yes

### ➤ Conferences / FDP / Seminars / Workshops Organized by the department

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Role of Automotive Engineers in the Current Era	Webinar	8.7.2021	-	Mr. N. Kannan, Head, BISTS, Brakes India Private Ltd, Chennai	9	87	-	-
2.	Benefits of CAD/CAM for Electric Vehicles	Webinar	30.9.2021	-		8	82	-	-

	Design								
3.	SHARYO'22	National Level Technical Symposium	2.06.2022	SAE INDIA	Dr. G. Albert Einstein, Founder, CEO, EinNel Technology, Chennai	9	50	-	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021 - June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	-	-	-	-	1	-	1

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of the Patent	Details of the Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. P.D. Jeyakumar, HOD Dr. C.K. Arvinda Pandian, AP(Sr.Gr.) Dr. C. Dineshkumar, AP	Automotive Braking System	Yes	May, 2022	-	-
2	Dr. P.D. Jeyakumar, HOD Dr. C.K. Arvinda Pandian, AP(Sr.Gr.) Dr. C. Dineshkumar, AP	COVID-19 Infected Patients Based on Machine Learning	-	-	25.08.2021	-



➤ **Details of new Research Laboratories Created**

S.No	Name of the Lab	Details of Infrastructure		Value of Equipment procured in the Financial Year 2021-22 (Rs.)
		Land (sq.ft)	Construction Space (sq.ft)	
1.	Electric Vehicle Laboratory	-	-	-

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the student & Programme	RRN	Name of the course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1.	Mr. S. Shakil Ahmad	160121601027	Advanced Production Processes for Automotive Components & 3 credits	12 weeks	D	14.06.2022
2.	Mr. S. Shakil Ahmad	160121601027	Manufacturing Processes I & II & 3 credits	12 weeks	D	14.06.2022

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of the Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1.	Society of Automotive Engineers	-	6	62	-	Mr. Joel Thompson Solutions & Delivery Head IoT Projects, TCS- Japan	-	-

## DEPARTMENT OF POLYMER ENGINEERING

### ➤ Interdisciplinary Programmes Conducted:

S.No	Name of Programme	Other Departments involved	Details of the Participants			Programme Outcome
			Students	Faculty	Others	
1.	Career Opportunities in Polymer Research	Department of Chemistry	35	5	-	This was conducted for school students to create awareness in Polymers and as well as to improve the admissions
2.	Opportunities in Polymer Research	Department of Chemistry	5	15	-	<ul style="list-style-type: none"> <li>➤ This was conducted for faculty to create awareness in Polymer research</li> <li>➤ Improved collaborative research</li> </ul>

### ➤ Conferences / FDP / Seminars / Workshops Organized by the department

S.No	Name of the programme	Type of Programme	Duration (From – To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	National Level Technical Symposium	Symposium Macron 2022	01.06.2022	Registration Fee - Rs.200/- each	Mr. Dharm Vahalia Managing Director, Ascend Performance materials India Pvt. Ltd, South Asia	7	80	-	50
2.	Technical Symposium for Diploma Students	Technical Webinar with Competition	13.05.2022	-	-	7	-	-	250

3.	Fibre Reinforced Polymer Composites (An Emerging Alternative material for Structural Application)	Webinar	17.05.22	National Institute of Technology Rourkela, India	Dr. Rajesh Kumar Prusty FRP Composite Lab Department of Metallurgical & Materials Engineering	5	48	-	-
4.	Automation and Industry 4.0 in Polymer Industries	Webinar	09.10.22	Wittmann Battenfield India Pvt.Ltd	Mr. T. Nanda kumar Director	5	44	Industry -5	68
5.	Employability Plus	Webinar	10.10.2021	Apollo Tyres Limited, Chennai	Mr. B. Ganesh Divisional Head – HR Global R&D – Asia	06	38	2	13
6.	Career Opportunities in Polymer Research	Webinar	15.09.2021	In Association with Department of Chemistry (BSACIST) and PSG Group of Institutions, Coimbatore	Dr. M. Alagar Research Consultant	5	35	-	20
7.	Opportunities in Polymer Research	Seminar	8.09.2021	In Association with Department of Chemistry (BSACIST) and PSG Group of Institutions, Coimbatore	Dr. M. Alagar Research Consultant	15	5	-	-

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	National Level Technical Symposium	01.06.2022	Rs.25,000/-	Various events like paper presentation, quiz were conducted for other institute students and prizes were distributed Symposium Macron 2022

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Mr. D. Murali Manohar	Instructional Design and Delivery System	FDP	14.02.2022 - 18.02.2022	NITTTR, Chennai	-
2.	Mrs. R. Daulath Banu and Dr.J.Shahitha Parveen	NPTEL Awareness workshop	Workshop	17.05.2022	BSACIST	-
3.	Dr. Revathi Purushothaman Mr. Basanta Kumar Behera	XLV Indian Social Science Congress (2022)	National Conference	28.04.2022 - 01.05.2022	Indian Social Science Academy and BS Abdur Rahman Crescent Institute of Science	-

	Mrs. R. Daulath Banu				and Technology	
	Dr. J. Shahitha Parveen					
	Mr. D. Murali anohar					
4.	Dr. J. Shahitha Parveen and Mrs. R. Daulath Banu	Mathematical Applications in Data Science	Webinar	31.01.2022	BSACIST	-
5.	Dr. J. Shahitha Parveen	All about Injection Moulding – Materials, Hydraulics, Electrical and Mechanical	International Webinar	24.08.2021-28.08.2021	Shibaura Machine India.	-
6.	Mrs. R. Daulath Banu and Dr.J.Shahitha Parveen	International Webinar on Porous and Nanoscale materials for Gas Separation to Catalytic Applications	International webinar	24.09.2021-25.09.2021	BSACIST	-
7.	Dr. J. Shahitha Parveen	Writing for Digital Media	Webinar	28.09.2021	BSACIST	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
2	-	3	-	-	-	1	-	6

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

1. Murali Manohar Dharmaraj, Bikash Chandra Chakraborty, Shamshath Begum, Ravikumar Natarajan, Sivakumar Chandramohan, “Effect of Nanoclay Reinforcing Filler in Nitrile rubber/polyvinyl chloride blend: frequency response of dynamic viscoelasticity and vibration damping” Iranian Polymer Journal, Vol.31,pp.1247-1261, 2022.
2. Murali Manohar Dharmaraj, Bikash Chandra Chakraborty, Shamshath Begum, “The Effect of Graphene and Nanoclay on Properties of Nitrile Rubber/Polyvinyl Chloride Blend with A Potential Approach in Shock and Vibration Damping Applications”, Iranian Polymer Journal, Vol.31,pp.1129-1145, 2022.

**Conference with ISBN Proceedings**

1. Ravikumar Natarajan, Rizwan Asif S, Sivakumar C, and D Murali Manohar, “Experimental Modal Analysis Study on Graphene Filled SBR,” SAE Technical Paper 2021-28-0225, 2021, <https://doi.org/10.4271/2021-28-0225>.
2. Sivakumar C, Muralidharan V, Ravikumar Natarajan, D Murali Manohar, and Syed Anwar S, “Numerical Analysis on Mechanical Behavior of Viscoelastic Nano Composite,” SAE Technical Paper 2021-28-0240, 2021, <https://doi.org/10.4271/2021-28-0240>.
3. Arockia Julias A, Jeyakumar Ponniah Daniel, D Murali Manohar, and Thirumurugan Muthiah and Sathish Kumar R, “Flexural Behavior of Hybrid Layered Composites Suitable for Automotive Structural Applications,” SAE Technical Paper 2021, pp. 1-6, doi:10.4271/2021-28-0210.

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1.	Dr. R. Vasanthakumari and Mrs. R. Daulath Banu	Porous hydrophobic polymer composite for separation of oil from oil spills in water and preparation method thereof	Filing Date : 17.12.2015	Yes	Granted for 20 years	-
2.	Dr. S. Shamshath Begum and Dr. R. Priyadarshini	An apparatus for Recycling of Polymeric Waste	Filing Date : 08.10.2020	Yes	Granted for 20 years	-

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range - **1.367 – 1.899**    B) Average – **1.6**    C) h-index - **1**    D) No. In Scopus :**2**

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	Probe Sonicator	LABMAN, India	25.01.2022	25.01.2022	1,99,500
2.	Gloss Meter	Agaram Industry, India	09.02.2022	09.02.2022	33,600
3.	Double Distillation Unit	S.S Scientific, India	14.02.2022	23.02.2022	24,618

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Hussain Chhatariya, Kulothungan S and Pravin .M	180131601012, 180131601005, 180131601008	First Prize in Paper Presentation at Elastoplaz 22	Society of Plastics and Rubber Technology Department of Rubber and Plastics Technology, MIT Anna University, Chennai	7.05.2022
2.	Hussain Chhatariya, Kulothungan S, Pravin .M and Dheeraj Prajapath	180131601012, 180131601005, 180131601008 and 180131601001	First Prize in Poster Presentation at Elastoplaz 22	Society of Plastics and Rubber Technology Department of Rubber and Plastics Technology, MIT Anna University, Chennai	7.05.2022
3.	Hussain Chhatariya	180131601012	First Prize in Technical Debate at Elastoplaz 22	Society of Plastics and Rubber Technology Department of Rubber and Plastics Technology, MIT Anna University, Chennai	7.05.2022
4.	Pravin .M	180131601008	Second Prize in Technical Quiz at Elastoplaz 22	Society of Plastics and Rubber Technology Department of Rubber and Plastics Technology, MIT Anna University, Chennai	7.05.2022

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	National Level Technical Symposium	01.06.2022	7+80	Knowledge dissemination/Admission	<ul style="list-style-type: none"> <li>Other institute students participated in various events like paper</li> </ul>



					<p>presentation, quiz and prizes were distributed</p> <ul style="list-style-type: none"> <li>• Improves admission</li> </ul>
2.	Technical Symposium for Diploma Students	13.05.2022	Faculty -7 Other Institute students -250	Admission Purpose	<ul style="list-style-type: none"> <li>• Symposium helped us to interact with students from various parts of India such as Guwahati, Bhopal, Assam, Gwalior, Imphal, Odisha, Kerala and Chennai.</li> <li>• Every year 15-17 Lateral Entry of the students gets admitted on an average.</li> </ul>



National Level Technical Symposium Macron 2022, held on 01.06.22



National Level Technical Symposium Macron 2022, held on 01.06.22 – Dinamani Magazine



**Technical Symposium for Diploma Students held on 13.05.2022**



**45th Indian Social Science Congress held on 28<sup>th</sup> March 2022 to 1<sup>st</sup> April 2022  
 Theme 11- Ecological and Environmental Science Research Committee**

## SCHOOL OF LIFE SCIENCES

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of the Participants		
					Students	Faculty	Others
1.	Clinical research professional course (CCRP)	20.08.2021 to 23.09.2021	25 days	Deepam Hospitals	39	01	-

### ➤ Details of Field visits/Industrial visits organized by the department:

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	M. Tech Food Biotechnology	II	-	17	Dr. Naseer Hussain	SICBMA Lab, Ambattur, Chennai	30.06.2022	Industrial exposure on Manufacturing Corrugated Boxes	
2.	B. Tech Biotechnology	IV	-	-	Dr. Ashok kumar	Sasaam Biological Lab Services, Ashok nagar	03.06.2022	Industrial exposure on high-tech food testing instruments	
3.	M.Tech Biotechnology and M.Tech Food Biotechnology	II	-	35	Dr. MubarakAli D	Scientific Food Testing Services, Chennai, Tamil Nadu	21.04.2022	1. Students learned the techniques used in food quality management 2. Students learned the	

								equipment's used in food quality checking. 3. Students learned about the microbial food processing techniques.	
4.	All PG's	II		78	Dr. Faridha Begum	RANITEC, Ranipaet	14.06.2022	The process involved in effluent Treatment plant	
5.	B. Tech Biotechnology	VI		39	Dr. Simon Durairaj	RANITEC, Ranipaet	14.06.2022	The process involved in effluent Treatment plant	

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S.No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	International food safety day "Food utopia" was organized by Crescent food biotech association in association with HIRISE Food Tech Lab, Chennai on 6th and 7th June 2022	International food safety day	6th & 7th June, 2022	HIRISE Food Tech Lab, Chennai	Ms. Ramya HIRISE Food Tech Lab, Chennai	18	600	-	-

2.	Webinar on Manage Exam Anxiety During Pandemic	Webinar	24.01.2022	HEFA Environ Pvt. Ltd. and Kavithalaya Counseling Centre	Mr. M. Elayaraja Counselling psychologist, Kavithalaya Counselling centre, Chennai	18	39	33	101
3.	National Pollution Control Day	Two days virtual symposium	2-3, December 2021	CIIC in association with HEFA Environ Pvt. Ltd. & HLRJ Biotech Pvt. Ltd	Dr. H. Gopi, Professor, Department of Veterinary Medicine, Kebri Dehar University, Ethiopia Dr. S Ramesh Prabhu, Accenture Services Pvt. Ltd., Chennai, India Er. D. Sivakumar, General Manager, RANITEC CETP Er. D. Vasudevan, District Environmental Engineer, Tamilnadu Pollution Control Board, Maraimalainagar Division, Kancheepuram District, India	18	199	-	31
4.	Virtual International Conference on, "Novel and	Virtual International	20th to 23rd September, 2021	Rs1000/ for Indian, EUR 15 for International	Dr. Srinivasan (Member Secretary, TNSCST),	18	465	54	-

	<p>Alternative Therapeutics for Neurodegenerative Diseases Mediated Through Unfolded Protein Response (UPR)”</p>	<p>Conference</p>		<p>International Brain Research Organization (IBRO), France and Tamil Nadu State Council for Science &amp; Technology (TNSCST)</p>	<p>Mr. Abhaya Kumar (Chairman, LIFE CELL, International Pvt.Limited)</p> <p>Prof. Mukesh Doble Indian Institute of Technology, Madras, India,</p> <p>Dr. Mohd. Mushahid Khan University of Tennessee Health Science Center, Tennessee, USA</p> <p>Dr. Syed Shadab Raza Era's Lucknow Medical College, India</p> <p>Dr. Sathyarajeswaran Siddha Central Research Institute, Central Council for Research in Siddha Ministry of AYUSH, Govt. of India</p>				
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					<p>Dr. LIM, Lee Wei          University of Hong Kong, Hong Kong</p> <p>Dr. Krish Dhandapani          Augusta University, Georgia, USA</p> <p>Dr. Kumar Vaibhav          Augusta University, Georgia, USA</p> <p>Prof. Vijayapandi Pandey          Chalapathi Institute of Pharmaceutical sciences, India</p> <p>Dr. Phan Chia Wei          University Malaya, Kuala Lumpur Malaysia</p> <p>Prof. Raji Sundarrajan          Purdue University, Lafayette, Indiana, USA</p> <p>Prof. Shripad</p>				
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					Deshpande Apollo Institute of Medical Sciences, Andhra Pradesh  Dr. Suhail Muzaffar University of Alabama at Birmingham, USA  Dr. Mohd. Farooq Sheikh Monash University, Malaysia  Dr. Asmita Dasgupta Pondicherry University, Pondicherry, India				
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➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	Virtual International Conference on, "Novel and Alternative Therapeutics for Neurodegenerative Diseases Mediated Through Unfolded Protein Response (UPR)"	20.09.2021- 23.09.2021	NIL	Received financial support of Rs. 113,113.80 from IBRO, France

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. S. Hemalatha	Emerging Trends in Environmental Biotechnology	Tamil Nadu State Government Sponsored Five Day Online FDP	20.12.2021-24.12.2021	Government college of Technology, Coimbatore	-
2.	Dr. S. Hemalatha	Drug Engineering	AICTE sponsored ATAL FDP	28.06.2021-02.07.2021	AICTE sponsored Delhi Institute of Pharmaceutical Sciences & Research University	-
3.	Dr. S. Hemalatha	Drug Engineering	AICTE Training and Learning (ATAL) Academy Online Elementary FDP	28.06.2021-02.07.2021	Delhi Institute of Pharmaceutical Sciences and Research.	-
4.	Dr. Sheeza Khan	PAI-ICT	Teacher's Training	23.11.2021 to 06.01.2022	CALEM, AMU	-
5.	Dr. S. Ranjani	Strategies in Organic Synthesis	FDP	06.05.2022-07.05.2022	NIT, Warangal	-
6.	Dr. S. Ranjani	Augmented Reality Technologies in Virtual Scenario	FDP	01.09.2021-06.09.2021	DST-CURIE-AI Centre, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati, Andhra Pradesh, India	-

7.	Dr. S. Ranjani	Innovative Approaches in Pedagogy	FDP	20.10.2021 22.10.2021	New Prince Shri Bhavani Arts and Science college, Chennai	-
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➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	-
-	-	28	-	-	-	95	-	-

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal  
SCI/Scopus Indexed Journal publications**

1. Vahid Alimardani, Samira Sadat Abolmaali, Ali Mohammad Tamaddon & Mohammad Ashfaq, Recent advances on microneedle arrays-mediated technology in cancer diagnosis and therapy Drug Delivery and Translational Research, 11, 788–816, 2021.
2. Rubeena Khaliq, Pervaiz Iqbal, Sanaullah Kuchay, Ashok Kumar Pandurangan, on Strong association and effect of lifestyle and clinicopathological risk factors in colorectal cancer during treatment process: a study based on Kashmiri population. Toxicology and Environmental Health Sciences, 13, 73-81, 2021.
3. Karthikeyan Ramalingam, on Evaluation of the Pharmacological Properties of Piscine Venoms from both Lionfish (Pterois) and Stonefish (Synanceja), Current Enzyme Inhibition, 17, 1, 9-15, 2021.
4. Ranjani S, Shariq Ahmed M, Mohd Adnan, Senthil Kumar N, Ruckmani K & Hemalatha S, Synthesis, on characterization and applications of endophytic fungal nanoparticles, Inorganic and Nano-Metal Chemistry, 51, 2, 280-287, 2021.

5. Ranjani. S, Faridha Begum. I, Tasneem I.K, Senthil Kumar. N and Hemalatha. S, on Silver decorated green nanocolloids as potent antibacterial and antibiofilm agent against antibiotic resistant organisms isolated from tannery effluent, *Inorganic and Nano-Metal Chemistry*, 51, 6, 823-831, 2021.
6. L. Mittal, Ranjani. S, Shariq Ahmed. M, Jeya Shree T, Tahira A, Poompavai S, IG Camarillo, GowriSree V, Raji S and S. Hemalatha, on Turmeric-Silver-Nanoparticles for Effective Treatment of Breast Cancer and to break CTX-M-15 mediated Antibiotic Resistance in *Escherichia coli* *Inorganic and Nano-Metal Chemistry*, 51, 6, 867-874, 2021.
7. Ranjani. S, Shariq Ahmed. M, MubarakAli. D, Ramachandran. C, Senthil Kumar, N and S. Hemalatha, on Toxicity assessment of silver nanoparticles synthesized using endophytic fungi against nosocomial infection, *Inorganic and Nano-Metal Chemistry*, 51, 8, 1080-1085, 2021.
8. Ranjani S, Rumelee Das, Shariq Ahmed M, Esther Lalnunmawii, Senthilkumar Nachimuthu, Ruckmani K & Hemalatha S, on Myco-nanocolloids manipulate growth, biofilm formation and virulence genes in UTI causing *E. Coli* *Inorganic and Nano-Metal Chemistry*, 51, 12, 1725-1734, 2021.
9. Ranjani S, Faridha Begum I, Santhoshini J, Senthil Kumar N, Ruckmani K & Hemalatha S, on *Mimosa pudica* floral nanoparticles: a potent antibiotic resistance breaker, *Inorganic and Nano-Metal Chemistry*, 51, 12, 1751-1758, 2021.
10. Shabnam Ameenudeen, Sneha Unnikrishnan and Karthikeyan Ramalingam, on Statistical Optimization for the Efficacious Degradation of Reactive Azo Dyes using *Acinetobacter baumannii* JC359, *Journal of Environmental Management*, 279, 111512, 2021.
11. Mariam Adhila H, Shariq Ahmed M, Ranjani S, Senthil Kumar Nachimuthu, Hemalatha S, on Marine endophytic fungi mediated silver nanoparticles and their application in plant growth promotion in *Vigna radiata*, *International Journal of Nano Dimension*, 12, 1, 1-10, 2021.
12. Saravanakumar, K., Sriram B., Sathiyaseelan A., Xiaowen H., Mariadoss A, D. MubarakAli, M-H Wang Molecular identification, on volatile metabolites profiling, and bioactivities of indigenous endophytic fungus, *Diaporthe* sp, *Process Biochemistry*, 102, 72-81, 2021.

13. Lavanya V, Shazia Jamal, Neesar Ahmed, on Increased ERK phosphorylation and caveolin-1 expression on K562 human chronic myelogenous leukemia cells by jacalin, a dietary plant lectin, *Glycoconjugate Journal*, 38, 3, 361-368, 2021.
14. M. Chandhru, R. Logesh, S. Kutti Rani, Neesar Ahmed, N. Vasimalai, on Green synthesis of silver nanoparticles from plant latex and their antibacterial and photocatalytic studies, *Environmental Technology*, 2021.
15. Edachery Baldev, Davoodbasha MubarakAli, Velusamy Sivasubramanian, Arivalagan Pugazhendhi, Nooruddin Thajuddin, on Unveiling the induced lipid production in *Chlorella vulgaris* under pulsed magnetic field treatment, *Chemosphere*, 279, 130673, 2021.
16. K. Rohitha Thangam, A. Santhiya, S.R. Abinaya Sri, Davoodbasha MubarakAli, S. Karthikumar, R. Shyam Kumar, N. Thajuddin, Michael Rahul Soosai, P. Varalakshmi, I. Ganesh Moorthy, Arivalagan Pugazhendhi, on Bio-refinery approaches based concomitant microalgal biofuel production and wastewater treatment, *Science of the Total Environment*, 785, 147267, 2021.
17. MubarakAli Davoodbasha, Arivalagan Pugazhendhi, Jung-Wan Kim, Sang-Yul Lee, Thajuddin Nooruddin, on Biodiesel production through transesterification of *Chlorella vulgaris*: Synthesis and characterization of CaO nanocatalyst, *Fuel*, 300, 121018, 2021.
18. Kandasamy Saravanakumar, Bhaskaran Sriram, Anbazhagan Sathiyaseelan, Arokia Vijaya Anand Mariadoss, Xiaowen Hu, Ki-Seok Han, Veeraraghavan Vishnupriya, Davoodbasha MubarakAli, Myeong-Hyeon Wang, on Synthesis, characterization, and cytotoxicity of starch-encapsulated biogenic silver nanoparticle and its improved anti-bacterial activity, *International Journal of Biological Macromolecules*, 182, 2021.
19. Sathya, R., MubarakAli Davoodbasha., MohameedSaalis J., Jung-Wan Kim, on Systemic review on the production of microalgal peptides: Bioprocess and applications, *Sustainability*, 2021.
20. Maruthanayagam, V., Sivakumar, N., MubarakAli, Davoodbasha, on Xu, S., Fei. Y, Using different cultivation strategies and methods for the production of microalgal biomass as a raw material for the generation of bioproducts, *Chemosphere*, 285, 131-436, 2021.
21. Farnaz N, Anchana Devi C., Rajamiriyam, M., MubarakAli Davoodbasha. Jung-Wan Kim, on An investigation of molecular targeting of MMP 9 for endometriosis using algal bioactive molecules, *Phyton Inter. J. Experi. Botany*, 2021.

22. MubarakAli Davoodbasha., Minho Lee, Manzoor, MAP., Sang-Yul Lee., Jung Wan Kim, on Plasma mediated production of oligo-alginate for growth induction in plants, Applied Biochemistry and Biotechnology, 2021.
23. Vignesh, M., MadhanShankar, SR., MubarakAli Davoodbasha., VedhaHari, BN, on A novel rhizospheric bacterium, Bacillus velezensis NKMV-3 as a biocontrol agent against Alternaria leaf Blight in Tomato, Applied Biochemistry and Biotechnology, 2021.
24. MubarakAli Davoodbasha., MohamedSaalis, J., Sathya, R., Irfan, N., Jung-Wan Kim, on An evidence of microalgal peptides to target COVID19: in silico approach, Microbial Pathogenesis, 160, 105189, 2021.
25. Navonil, M., Satpati, G., Sathya R., MubarakAli Davoodbasha, Current strategies on Algae-based Biopolymer Production and Scale-up, Chemosphere, 289, 133178, 2021.
26. Gurumayun Suraj Sharma, Snigdha Krishna, Sheeza Khan, Tanveer Ali Dar, Md Khurshid Alam Khan, Laishram R Singh, on Protecting thermodynamic stability of protein: The basic paradigm against stress and unfolded protein response by osmolytes, International Journal of Biological Macromolecules, 2021.
27. Neetu Talreja, Shagufta Afreen, Mohammad Ashfaq, Divya Chauhan, Adriana C Mera, CA. Rodríguez, RV Mangalaraja, on Bimetal (Fe/Zn) doped BiOI photocatalyst: An effective photodegradation of tetracycline and bacteria, Chemosphere, 2021.
28. Mohammad Ashfaq, Neetu Talreja, Divya Chauhan, CA Rodríguez, Adriana C Mera, RV Mangalaraja, on A novel bimetallic (Fe/Bi)-povidone-iodine micro-flowers composite for photocatalytic and antibacterial applications, Journal of Photochemistry and Photobiology B: Biology, 2021.
29. CA Rodríguez, Adriana C Mera, L Pizarro-Castillo, Mohammad Ashfaq, MG Sandoval-Paz, María Jose Cortés Burgos, Paulraj Manidurai, S Suárez, on Fabrication of CdS/PbS and CdS: Al/PbS solar cells: Optimization of the Al content in CdS and the solution pH during PbS deposition, Materials Science in Semiconductor Processing, 2021.
30. Sasidharan Venkataramanan, Deepa Sachan, Divya Chauhan, Neetu Talreja, Mohammad Ashfaq, on Three-dimensional (3D) polymer—metal—carbon framework for efficient removal of chemical and biological contaminants, Scientific Reports , 2021.
31. Neetu Talreja, Mohammad Ashfaq, alreja, Divya, Adriana C Mera, CA. Rodríguez , on Strategic doping approach of Fe-BiOI microstructure: An improved photodegradation efficiency of tetracycline, ACS Omega, 2021.

32. Tahira Akther, S Ranjani, S Hemalatha, on Nanoparticles engineered from endophytic fungi (*Botryosphaeria rhodina*) against ESBL-producing pathogenic multidrug-resistant *E. coli*, *Environmental Sciences Europe*, 2021.
33. S Ranjani, Abdul Matheen, S Hemalatha, on Nanotechnology derived natural Poly bio-silver nanoparticles as a potential alternate biomaterial to protect against human pathogens, *Materials Letters*, 204, 130555, 2021.
34. Shameera Begum B, Faridha Begum I, and Hemalatha S, on Cancer Nanomedicine: A review on approaches and applications towards targeted drug delivery, *International Journal of Nano Dimension*, 2021.
35. Souzia Shaik, Ranjani, S., Hemalatha, S on Repurposing of Drugs Targeted Against COVID-19 Spike Receptor for Treatment: An In silico Approach *Biointerface Research in Applied Chemistry*, 2021.
36. Anitha Sekar, Ranjani, S., Hemalatha, S in silico Analysis of Quercetin and its Analogues Against Targeted Proteins, *Biointerface Research in Applied Chemistry*, 11, 5, 13695 – 13705, 2021
37. Divya, U, Ranjani, S, Hemalatha, S, on Repurposing of FDA-Approved Drugs against *Mycobacterium tuberculosis* Target MMA4 and CmaA2 *Biointerface Research in Applied Chemistry*, 11, 6, 14688 – 14696, 2021.
38. Kathija, N, Ranjani, S, Hemalatha, S, on Synergistic Effect of Antimicrobial Peptides (AMP) on Multi-drug Resistant Bacteria, *Biointerface Research in Applied Chemistry*, 2021.
39. Srinivasan Parvatha Vardhini, Heena Sadiya, Saba Beigh, Ashok Kumar Pandurangan, Hemalatha Srinivasan, Md Khalid Anwer, Mohammad Waseem, on Possible Interactions of Non Steroidal Anti Inflammatory Drugs Against NFkB and COX-2 Mediated Inflammation. In Silico probe, *Applied Biochemistry and Biotechnology*, 194, 54–70, 2022.
40. Sobia Nida, Hemalatha Srinivasan, Ashok Kumar Pandurangan, Mohammad Waseem, on Mechanistic episodes on SARS CoV-2 mediated neurological manifestations and their possible therapeutic interventions, *Journal of Environmental Toxicology pathology and Oncology*, 41, 1, 85-98, 2022.
41. Srinivetha Pathmanapan, Mythrehi Sekar, Pandurangan AK, Suresh Kumar Anandasadagopan, on Fabrication of Mesoporous Silica Nanoparticle–Incorporated Coaxial Nanofiber for Evaluating the In-Vitro Osteogenic Potential. *Applied Biochemistry and Biotechnology*, 194, 302–322, 2022.

42. Ranjani S., Pradeep P, Ramesh kumar, Hemalatha S, on Myrobalans mediated nanocolloids in controlling marine pathogens, Applied Biochemistry and Biotechnology, 2022.
43. Fathima. H.B, S. Hemalatha, on Screening the efficacy of melatonin on neurodegeneration mediated by ER stress, inflammation and oxidative damage, Applied Biochemistry and Biotechnology, 2022.
44. Ranjani.S, Janani Prabha G, Karunya J R, Hemalatha S, on Differential actions of nanoparticles and nanoemulsion synthesized from Colletotrichum siamense on food borne pathogens, LWT-Food Science and Technology, 155, 2022.
45. Ranjani S., Kamalavarshini. S. Hemalatha S, on Gold nanoparticles: A Novel paradigm for targeted Drug delivery, Inorganic and Nano-Metal Chemistry, 2022.
46. Asma. B and S. Hemalatha, on SARS-CoV-2 inhibitors from Nigella Sativa, Applied Biochemistry and Biotechnology, 2022.
47. Jason.T.A, Noorul Samsoon Maharifa H. , S. Hemalatha, In silico molecular docking approach against enzymes causing Alzheimer's disease using Borassus flabellifer Linn, Applied Biochemistry and Biotechnology, 2022.
48. Mohamed Juvad NA, Faridha Begum I, S. Hemalatha, on Synergistic Interactions of Antimicrobials to Counteract the Drug-Resistant Microorganisms, Biointerface Research in Applied Chemistry, 12, 1, 861-872, 2022.
49. Mendie. E.L. S. Hemalatha, on Molecular Docking of Phytochemicals targeting GFRs as therapeutic sites for cancer: An In silico study, Applied Biochemistry and Biotechnology, 2022.
50. Ranjani, and S. Hemalatha, on Triphala decorated multipotent green nanoparticles and its applications, Materials Letters, 308, B, 131184, 2022.
51. Rukaiya.K, Ranjani.S and S. Hemalatha, on COVID-19: An in Silico Analysis on Potential Therapeutic Uses of Trikadu as Immune System Boosters, Applied Biochemistry and Biotechnology, 2022.
52. Harinishree Venkatesan, Ranjani Soundhararajan and Hemalatha Srinivasan, on Interaction of various types of bisphenols with enzymes involved in melanin synthesis, Toxicology and Environmental Health Sciences,6, 1-6, 2021.
53. Vardhini SP, Sadiya H, Beig S, Pandurangan AK, Hemalatha S, Waseem M, on Possible interaction of non steroidal anti-inflammatory drugs against NF- $\kappa$ B and COX-2 mediated inflammation: An in silico probe, Applied Biochemistry and Biotechnology, 2022.



54. S.M. Fazeela Mahaboob Begum, S. Hemalatha, on Gelidiella acerosa compounds target NFkB cascade in lung adenocarcinoma, Applied Biochemistry and Biotechnology, 2022.
55. Ranjani S., Noorul Samsoon Maharifa H., Raihanathus Sahdhiyya A. & Hemalatha S., on Phytotoxicity assessment of synthesized green nanosuspension on germination and growth in Vigna radiate, Inorganic and Nano-Metal Chemistry, 2021.
56. Ranjani S, UR Kathun, S Hemalatha, on Silver Decorated Myconanoparticles Control Growth and Biofilm Formation in Uropathogenic E. coli, Applied Biochemistry and Biotechnology, 2021.
57. Ranjani S, Shruthy Priya.P, Maroudam veerasami and S. Hemalatha, on Novel polyherbal nanocolloids to control Bovine Mastitis, Applied Biochemistry and Biotechnology, 2021.
58. Architha. V and S. Hemalatha, on FDA approved drugs and herbal based inhibitors target SARS CoV-2 RNA dependent RNA polymerase, Letters in Applied NanoBioScience, 2022.
59. Madeeha H, Tahira A, S. Hemalatha, on In-silico analysis of possible mutations responsible for Isoniazid (INH) resistance in Tuberculosis, Biointerface Research in Applied Chemistry, 2021.
60. Abinaya. M, Priya. S, Karunya JR, Ranjani. S, Hemalatha S, on Screening the efficacy of compounds from ghee to control cancer: An In silico approach, Biointerface Research in Applied Chemistry, 11, 6, 14115-14126, 2021.
61. Ranjani.S. Pradeep. P. Vimalkumar. U, Ramesh Kumar. V and S. Hemalatha, on Pungent antiinfective nanocolloids manipulate growth, biofilm formation and CTX-M-15 gene expression in pathogens causing Vibriosis, Aquaculture International, 29, 859-869, 2021.
62. Ubaid. R, Mubarakali, D and S. Hemalatha, on Copper nanoparticles: easily accessible nano-weapons against the escalating antibiotic resistance, Nano-Strategies for Combatting Antimicrobial Resistance and Cancer, 2021.
63. Abdul M, Edet Love M, Ranjani S, Hemalatha S, on Biological Toxins as Therapeutic Challenge against Antibiotic Resistant CTX-M-15 Encoding Bacteria, Biointerface Research in Applied Chemistry, 2022.
64. Antony JA, Edet Love M, Ranjani S, S. Hemalatha, on Role of Plant Compounds, Alternative Medicine and Diet to Improve Mental Wellness, Biointerface Research in Applied Chemistry, 2022.

65. Sundararajan.R E.LMendie, L.Mittal, Gowrisree V, IG Camarillo, Hemalatha S, on Medicinal and Nutritional Wonders of Miracle Moringa oleifera Lam.: Another Look, Indian Journal of Pharmaceutical Education and Research , 55, 2, s345-s352, 2021.
66. Muzaiyen, Ranjani Soundhararajan, S. Hemalatha, on Exploring the Pharmacological Activities of Flavonoids and Caffeic Acid Derivatives from the Species Eupatorium Perfoliatum, Biointerface Research in Applied Chemistry, 2022.
67. Basha, FH, Waseem, M, S. Hemalatha, on Cellular and molecular mechanism in neurodegeneration: Possible role of neuroprotectants, Cell Biochemistry and Function, 2021.
68. Fathima. H.B, Md. Waseem, S. Hemalatha, on promising action of cannabinoids on ER stress mediated neurodegeneration: An In Silico Investigation, Journal of Environmental Toxicology Pathology and Oncology, 2022.
69. Aashique M, Roy A, Kosuru RY and Bera S, on Membrane depolarization sensitizes Pseudomonas aeruginosa against tannic acid, Current Microbiology, 78, 2, 713-17, 2021.
70. Maity W, Maity S, Bera S, Roy A, on Emerging role of PETase and MHETase in the biodegradation of plastic wastes. Appl Biochem Biotechnol, 193, 8, 2699-2716, 2021.
71. Kosuru RY, Roy A, Bera S, on Antagonistic Roles of Gallates and Ascorbic Acid in Pyomelanin Biosynthesis of Pseudomonas aeruginosa Biofilms, Current Microbiology, 78, 11, 3843-3852, 2021.
72. V Lavanya, Anil Kumar Bommanabonia, Neesar Ahmed, Shazia Jamal, on Immunomodulatory Effects of Jacalin, a Dietary Plant Lectin on the Peripheral Blood Mononuclear Cells (PBMCs), Applied Biochemistry and Biotechnology, 194, 1, 587-599, 2022.
73. R Logesh, V Lavanya, Shazia Jamal, Neesar Ahmed, on Designing of a Chimeric Vaccine Using EIS (Rv2416c) Protein Against Mycobacterium tuberculosis H37Rv: an Immunoinformatics Approach, Applied Biochemistry and Biotechnology, 1, 2021.
74. Manaal Sheerin Khan, Ranjani S, Hemalatha S, on Synthesis and characterization of Kappaphycus alvarezii derived silver nanoparticles and determination of antibacterial activity, Materials Physics and Chemistry, 2022.
75. Charlz Nithin J , Ranjani S , S. Hemalatha, on Mimulus elengi flowers mediated green silver nanoparticles control Staphylococcus aureus and Acinetobacter baumannii, Applied Biochemistry and Biotechnology, 2022.
76. Edet Love Mendie, S. Hemalatha, on Biomedical Applications of Novel Green AgNPs Synthesized from Endophytic Bacteria Cronobacter sakazakii, Inorganic nanometal chemistry, 2022.

77. MubarakAli D. , Hoekum Kim., Sundara Venkatesh, P., Jung-Wan Kim., Sang-Yul Lee, on Systemic review on Palladium nanoparticles and its applications in Biomedicine, Applied Biochemistry and Biotechnology, <http://doi.org/10.1007/s12010-022-03840-9>, 2022.
78. Saravanakumar K., SivaSantosh, S., Sathiyaseelan, A., Naveen, AV., AfaanAhamed, M., Zhang X., Vishnupriya, V., MubarakAli, D., Myeong-Hyeon W, on Unraveling the hazardous impact of diverse contaminants in the marine environment: Detection and remedial approach through nanomaterials and nano-biosensors, Journal of Hazardous Materials, 433, 178720, 2022.
79. Saravanakumar K., Sivasantosh, S., Sathiyaseelan, A., Sankaranarayanan, A., Naveen, AKV., Zhang, X., Jamla, M., Vijayasarathy, S., VishnuPriya, V., MubarakAli. D., Myeong-Hyeon, W., on Impact of benzo[a]pyrene with other pollutants induce the molecular alternation in the biological system: existence, detection, and remediation methods, Environmental Pollution, 2022.
80. Abinaya.B, Mohammad Waseem, Jashim Khan and S. Hemalatha, on Lipidomics: An Excellent tool for Disease Diagnosis Current Research in Translational Medicine Current Research in Translational Medicine, 2022.
81. Jit S, Deepanjan M, Jishnu B, Sumedha C, Kasturi R, MubarakAli D, Tarit R, Krishnendu A, Joy S, on A state-of-the-art systemic review on selenium nanoparticles: mechanisms and factors influencing biogenesis and its potential applications, Carbohydrate Polymer, 2022.
82. Naveen VK, Saravanakumar, K., Sathiyaseelan, A., MubarakAli, D., Myeong-Hyeon Wang. on Addressing the immune response and clinical challenge of fungal infection during COVID 19 pandemic, Applied Biochemistry and Biotechnology, 2022.
83. Nagaraj, S., Sagaya John Paul, J., Anand, J., Sathya, R., D. MubarakAli, on A cyanobacterium treated textile wastewater for the plant growth enhancement: Experimental Study, Applied Biochemistry and Biotechnology, 2022.
84. Saravanakumar K., Siva Santosh S, Afaan Ahamed, M., Sathiyaseelan A., Sultan G., Irfan N., MubarakAli D., Myeong-Hyeon Wang, on A state-of-the-art research compendium on molecular mechanism of fungal extracellular vesicles with focuses to infection, host-pathogen interactions and immune responses, Briefings in Bioinformatics, 2022.
85. Antony JA, Ranjani S, S. Hemalatha, on Moringa oleifera nanoparticles demonstrate antifungal activity against plant pathogenic fungi, Applied Biochemistry and Biotechnology, 2022.

86. Karunya.JR, Samsoon.H.M, S. Hemalatha, on Phytocompounds of Onion target Heat-Shock Proteins (HSP70s) to Control Breast Cancer Malignancy, Applied Biochemistry and Biotechnology, 2022.
87. Fazeela Begum. S. M and S. Hemalatha on Marine Natural Products - A vital source of novel Bio therapeutics, Current Pharmacology Reports, 8, 3, 2022.
88. Nithya, P., Sathya R., Prabakaran, M., ArulAntony, S., MubarakAli D, on Synthesis and Characterization of Tween-20 Capped Biosynthesized Silver nanoparticles for Anticancer and Antimicrobial Property, Applied Biochemistry and Biotechnology, 2022.
89. Sathya, R., MubarakAli, D. Nousheen Mehboob, MG., Vasimalai, N., Thajuddin, N., Jung-Wan Kim, on An investigation of Pepsin hydrolysate of Short Antibacterial Peptides Derived from Limnospira Sp, Applied Biochemistry and Biotechnology, 2022.
90. Saranya Shivashankar, , Sangeetha Marimuthu Kannan, on Identification of Biosimilar for Trimethoprim - Andrographis paniculata Phytochemicals Inhibits Dihydrofolate Reductase (DHFR), Biointerface Research in Applied Chemistry, 11,6, 14142 – 14154, 2021.
91. Saranya Shivashankar, Sangeetha Marimuthu Kannan, on The Natural Ligand for Metalloproteinase-A Multifaceted Drug Target, Applied Biochemistry and Biotechnology, 194, 1716–1739, 2022.
92. Shilpa T , Preeti T , Rakesh K , S. Hemalatha , Yassin S , Blaise R, Atul T, on Nanostructured Rare Earth Nd<sup>3+</sup>doped Nickel – Zinc –Bismuth Spinel Ferrites : Structural , Electrical and Dielectric Studies Ceramics International, 2022.
93. Shahnawaz Khan and S. Hemalatha, on Autophagy and programmed cell death are critical pathways in jasmonic acid mediated saline stress tolerance in Oryza sativa, Applied Biochemistry and Biotechnology, 2022.
94. Architha. V, Ranjani .S and S. Hemalatha, Engineered green nanoparticles interact with Nigrospora oryzae isolated from infected leaves of Arachis hypogaea, Journal of Basic Microbiology, 2022,
95. Ameenudeen, Shabnam & Kashif, Mohd & Banerjee, Subhamoy & Srinivasan, Hemalatha & Pandurangan, Ashok Kumar & Waseem, Mohammad, on Cellular and Molecular Machinery of Neuropathic Pain: an Emerging Insight. Current Pharmacology Reports In Press 2022

**International Conference & National Conference:**

**c) International Conference with ISBN Proceedings**

1. Shabnam Ameenudeen, Hemalatha S, on "Covid-19 infection associated neurodegenerative diseases", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)" SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
2. Shabnam Ameenudeen, Hemalatha S, on "P2x4 purinergic receptor: promising target for, neuropathic pain", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
3. Love Edet Mendie and S. Hemalatha, on "Ethnobotanical study of medicinal plants in Africa used in the treatment of dementia: a review", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021.
4. Akila Muthuramalingam and Ashok Kumar Pandurangan , on "Promising natural agents in neuroblastoma therapy", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
5. Fazeela Mahaboob Begum S.M, Hemalatha. S, on "Beneficial role of seaweeds in the management of neurological diseases", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
6. Mohamed Juvad. N, Faridha Begum. I & Hemalatha. S, on "Screening the efficacy of natural azo compounds against enzymes causing neurodegeneration in alzheimer's", "Virtual international conference on novel and alternative therapeutics for

- neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
7. Jason Tom Abraham, H. Noorul Samsoon Maharifa and S. Hemalatha, on "Action of borassus flabellifer against, covid-19 and its potential use in treating covid-19 related encephalopathy", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021.
  8. Srithika M, Mohd Kashif, Mohammed Waseem and Ashok Kumar Pandurangan, on "A review on natural products mediated therapy for lps-induced neuroinflammation" "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021.
  9. Purnimaa Alagappan, Mohd Kashif, Mohammed Waseem and Ashok Kumar Pandurangan, on "Natural products mediated therapy for huntington's disease: a review", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
  10. M.R. Roohi Parveen, Anil Kumar, Hemalatha Srinivasan, Ashok Kumar Pandurangan, Mohammad Waseem on "Mechanistic episodes' therapeutic targets in traumatic brain injury", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021.
  11. Rajalakshmi.S, Ranjani.S, Hemalatha. S, on "Regenerative stem cell therapy for parkinson's disease", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
  12. J. Vishal, S. Ranjani, S. Hemalatha, Covid-19 infection causes potential direct and indirect neurological effects "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded

- protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
13. Kamila N, Anil Kumar, Hemalatha Srinivasan, Ashok Kumar Pandurangan, Mohammad Waseem, on Promising role of regenerative medicine in neuronal repair, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021
  14. Anierudhe V V, Karthikeyan Ramalingam, Sreevani K, on Reduction of heavy metal pollution in the ecosystem using brown algae - a review "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021
  15. Karunya J R and **S. Hemalatha**, "Role of flow cytometry in accelerating neuroscience research", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
  16. Architha Vijayalakshmi, **Hemalatha S**, "Mangrove endophytes a potent source to treat neurological disorders", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021.
  17. Saranya Shivashankar, Irfan N, **Sangeetha MK**, "Recovery of disrupted hemostasis due to snake venom by *Andrographis paniculata* – an insilico investigation", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021
  18. G. Arivoli Aravindhan, **S. Ranjani**, **S. Hemalatha**, Covid-19 and mental wellness, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021

19. **Ranjani. S**, Harinishree V, **S. Hemalatha**, "Phytochemical screening of neuroprotective polyherbs for the management of neurodegenerative diseases- an in silico approach", "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021
20. Tasneem Juzer, **S. Ranjani, S. Hemalatha** Influence of gut microbes on brain health, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
21. Srividhyaa K, **Ranjani. S, S. Hemalatha**, Novel therapeutic potential of dental pulp stem cells on neurodegenerative diseases, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
22. S. Deebalakshmi, **S. Ranjani, S. Hemalatha**, Gene targeted therapies for huntington's disease, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
23. A. Soniya, **Gulsaz Shamim**, Snp identification in kerria lacca transcriptome – an in silico approach "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR), " "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
24. Janarthanan S, **Ranjani S, and Hemalatha S**, Novel and alternative therapeutics for neurodegenerative diseases mediated through upr "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021
25. Vaijyanthi S, **Ranjani S, Hemalatha S**, Impact of ayurveda and yoga in alzheimer's and parkinson's diseases "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded



protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India" 2021

26. Raihan, S. **Ranjani, S. Hemalatha**, Huntington's disease and its causes, symptoms, treatments, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
27. ShreyaVerma, **S. Ranjani, S. Hemalatha**, Huntington disease - causes and its prevention "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021
28. R. Swathi Shri, **S. Ranjani, S. Hemalatha**, Role and future aspects of neuropsychology and rehabilitation, "Virtual international conference on novel and alternative therapeutics for neurodegenerative diseases mediated through unfolded protein response (UPR)", "SLS, BSACIST in association with International Brain Research Organization (IBRO), France, TNSCST, India", 2021

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, Country & Month of Publication	Availability Status
			Rs	\$		
1.	Ashok Kumar Pandurangan	Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer	-	-	IGI Global publications 2021	Published
2.	Karthikeyan Ramalingam	Handbook of Research on Nanoemulsion Applications in Agriculture, Food, Health, and Biomedical Sciences	-	-	IGI Global publications 2021 December	Published
3.	Ashok Kumar Pandurangan	Handbook of Research on Natural Products and Their	-	-	IGI Global publications 2022 March	Published

		Bioactive Compounds as Cancer Therapeutics				
4.	MubarakAli D., Hemalatha S	Brief Facts: Nano & Biomaterials	-	-	My Rays Publishers, India ISBN: 978-93-93337-16-0 2022 March	Published
5.	MubarakAli D	Practical Handbook Microbiology	-	-	My Rays Publishers, India ISBN: 978-81-954818-1-1, 2022	Published
6.	MubarakAli D	Objective Pattern for State Eligibility Test (SET) in Life Sciences	-	-	My Rays Publishers, India ISBN: 978-81-954694-7-5, 2021	Published
7.	Dr. Ashok Kumar Pandurangan	Molecular Drug targets for Cancer Therapy	-	-	Melbourne Scientific Publishers. 2021 November	Published

### Book Chapters

1. Prathibha S, Surehshkumar A, Tamilselvi A, **Pandurangan AK**. Current update on Natural agents against Triple negative breast cancer Research Anthology on Advancements in Women's Health and Reproductive Rights (2 Volumes), 91-113, 2022, IGI Global publishers
2. Mohammed Jamalkhan, Sekar Kumaran, **Pandurangan AK**. Fermented Foods and its Health Benefits. Microbes-Fermented Foods and Human Health. 65-73, 2021, Krishna publication 978-93-90627-15-8
3. Karthik Meyyappan Meenakshisundaram, **Pandurangan AK**, Sekar Kumaran, Urinary Tract Infection Caused by Pathogens Treated using Fermented Products. Microbes-Fermented Foods and Human Health. 24-43, 2021, Krishna publication, 978-93-90627-15-8
4. Aarthy Venkatesan, Saabira Banu Sahubar Sadik, Prathibha Sivaprakasam, Mohamed Adil, Karthikeyan Chandrabose, Suresh Kumar Anandasadagopan, **Ashok Kumar Pandurangan**, Therapeutic Potential of Natural Agents Against Oxidative Stress Influenced Colitis-Associated Cancer, Handbook of Oxidative Stress in Cancer: Therapeutic Aspects, 1-20, 2022, Springer Nature Singapore Pte Ltd

5. **Ashok Kumar Kumar Pandurangan**, Suresh Kumar Anandasadagopan, Neesar Ahmed, The Multifaceted Role of Natural Agents in Colitis-Associated Cancer Prevention and Therapy, IGI Global publications, 220-239, 2021.
6. Mohamed Akif S. Jahangir Ahmed and **Karthikeyan Ramalingam**, The Essential Properties of Nanoemulsions: Basics of Nanoemulsion, IGI Global publications, 1-23, 2021.
7. Sowbarnika Arul Senthil, Sneha Unnikrishnan and **Karthikeyan Ramalingam**, Composition and Efficacy of Essential Oil Nanoemulsions, IGI Global publications, 59-92, 2021.
8. Ashwathi Vijayalekha, Prathibha Sivaprakasam, Suresh Kumar Anandasadagopan, **Ashok Kumar Kumar Pandurangan**, Tamilselvi Alagumuthu, An Update on the Effect of Natural Products on Oncogenic Transcription Factors in Triple Negative Breast Cancer, IGI Global publications, 1-26, 2022.
9. Saabira Banu Sahubar Sadik, Prathibha Sivaprakasam, Nishanthi Ramasami and **Ashok Kumar Pandurangan**, The Molecular Mechanisms Involved in Suppressing Triple Negative Breast Cancer Using Natural Agents, IGI Global publications, 45-71, 2022.
10. Syed Faisal Jahir Hussain, Mohammed Adil A, Durga Munireddy, and **Ashok Kumar Kumar Pandurangan**, Effects of Nigella sativa and Its Active Ingredient Thymoquinone on Breast Cancer, IGI Global publications, 249-263, 2022.
11. Mohammed Shuhail N and **Pandurangan AK**, Exploring the Signaling Pathways that regulate Prostate Cancer, Melbourne Scientific Publishers, 30-56, 2021.
12. Bharath kumar, Umashankar Marakanam Srinivasan and **Pandurangan AK**, Hypoxia and Cancer Metabolism, Melbourne Scientific Publishers, 89-105, 2021.
13. Veena Priyadharini and **Pandurangan AK**, The Pathological and Molecular Alterations in Lung Cancer, Melbourne Scientific Publishers, 106-123, 2021.
14. Gokul S and **Pandurangan AK**. The Role of Galectin-3 in Breast Cancer and its Association with Metastasis, Melbourne Scientific Publishers, 124-133, 2021.
15. Haripriya Kumaravel and **Pandurangan AK**, Inflammatory Breast Cancer: Molecular Mechanism and Future Medical Insights. Melbourne Scientific Publishers, 178-193, 2021.

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1.	Dr. S. Hemalatha, I. Faridha Begum, K. Manikandan	Novel green process technology for the biodegradation of synthetic azo Dyes using novel bacterial strain isolated from tannery effluent	Yes	Yes	-	Filing fee paid by the institution
2.	Dr. S. Hemalatha, S. Ranjani	Green nano biomaterial to control pathogens causing vibriosis in aquafarming	Yes	Yes	-	Filing fee paid by the institution
3.	Dr. Karthikeyan Ramalingam and Hashim khan	Synergistic gas nanoemulsion compositions and methods of synthesis	Yes	Yes	Yes	Filing fee paid by the institution

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range 0- 14.224 B) Average 3.4 C) H-Index 12 D) No. In Scopus 76

➤ **Sponsored Research (Ongoing / Granted)**

S. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-	Balance available	

						2022		
1.	Dr. S. Hemalatha	Special call on Real collaborative research proposal, TamilNadu forest department 2021-22	Nanoformulation to enhance growth, metabolites production and disease protection for sustainable cultivation of medicinal plants	Yes	-	-	-	Ongoing
2.	Dr. S. Hemalatha, Ms. S. Ranjani	DST	An evaluation of selected YOGA MODULE in lung inflammation due to Acute Lower Respiratory Tract Infection (ALRI) - A randomized controlled Pilot study	Yes	-	-	-	Ongoing
3.	Dr. S. Hemalatha, Dr. MubarakAli. D	International funding by Special Program for Research against COVID-19 (SPRAC) AUN/SEED-Net Japan International Cooperation Agency (JICA) with project partners from Thailand	Smart Textile with Antimicrobial and Water Repellent Properties for Corona virus Protection	Yes	-	-	-	Ongoing
4.	Dr. S. Hemalatha	QR GCFR fund, University of East London, UK	Development of novel antibiotics to tackle antimicrobial resistance (AMR)	-	-	-	-	-

5.	Dr. Karthikeyan Ramalingam	ICMR	Nano-ointment (Nanoemulsion/ Nanoparticles) for the treatment of hospital infection caused by multi drug resistant <i>Klebsiella pneumoniae</i> pathogens	Yes	-	-	-	Ongoing
6.	Dr. Karthikeyan Ramalingam, Ms. Sneha	DST	Probiotic Microbe Based Bioreactor for the Efficacious Detoxification of Textile Dye Effluents	Yes	-	-	-	Ongoing
7.	Dr. Ashok Kumar Pandurangan	DBT TARE	Mechanistic anti-tumour activity of Vernodaline isolated from <i>Centritherumanthelminticum</i> on colorectal cancer cells	Yes	-	-	-	Ongoing
8.	Dr. S. Hemalatha, Ms. S. Ranjani	DST	Formulating antibiotic resistance breakers to control multidrug resistant pathogenic bacteria	Yes	-	-	-	Ongoing
9.	Dr. Sheeza Khan	DST	Role of naturally occurring small molecules in transthyretin-induced familial amyloid cardiomyopathy	Yes	-	-	-	Ongoing

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
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1.	Kjeltron	Tulin equipments, India	25.4.2022	27.04.2022	2,18,750
2.	Soxhlet Apparatus	Tulin equipments, India	25.4.2022	27.04.2022	99,750
3.	Fibre apparatus	Tulin equipments, India	25.4.2022	27.04.2022	99,750
4.	Inverted tissue culture microscope	Vital science Industry	14.5.2022	02.06.2022	1,89,000

➤ **International Visits by Faculty / Students**

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country	Purpose	Period	Outcome
1	Dr. Soumen Bera	University of Illinois, Chicago	USA	Faculty research exchange	1 year	2 paper publications Joint research

➤ **Achievements of Faculty & non-teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. S.Hemalatha	Receipient of Turing Grant, UK	Turing Scheme Study Mobility programme, funded by Govt. of UK	2022
2.	Dr. S.Hemalatha	Received IVP Grant	EDI Tamilnadu	2022
3.	Dr. S.Hemalatha	TNSCST Grant for student project	TNSCST, Tamilnadu	2022
4.	Dr. S.Hemalatha	IBRO Grant award for conducting International conference	International Brain Research Organization (IBRO), France.	2021
5.	Dr. S.Hemalatha	National level Best Teacher Award	Microbiologist's Society, India	2021
6.	Dr. Ashok Kumar Pandurangan	Listed in top 2% scientists in the field of Oncology, Toxicology and Clinical Medicine in 2020 by Stanford University, USA.	Listed in top 2% scientists in the field of Oncology, Toxicology and Clinical Medicine in 2020 by Stanford University, USA.	2021
7.	Dr. Mubarak Ali.D	Microbiologists Society, India.	Young Scientist Award	2021



8.	Dr. S.Ranjani	Received IVP Grant	EDI Tamilnadu	2022
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➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Ms. S. Prathibha	-	ICMR - SRF	Guide Name: Dr. P. Ashok Kumar Duration: 3 Years (2022-2025) Amount of the Project fellowship: Rs. 35,000 + HRA (27%)/month Title of the Project: Mechanistic Anti-Tumor Activity of 3-(2-(3,4 dimethoxyphenyl)-2-oxoethylidene) indolin-2-one (RAJI) on Triple Negative Breast Cancer Cells	2022-2025
2.	Ashwathi. V	-	Lady TATA Memorial Trust (LTMT)	Lady TATA Memorial Trust (LTMT) Guide Name: Dr. P. Ashok Kumar Duration: 5 Years – 2 Yr JRF + 3 Yr SRF - (2022-2027) Amount of the Project fellowship: Rs. 31,000 + HRA/month Title of the Project: Collagen-based composite scaffold with Sodium citrate functionalized for Osteochondral Tissue Engineering – In-Vitro & In-Vivo Studies.	2022-2027
3.	Ms. Karunya, II Year M.Tech Biotechnology	-	TNSCST fellowship	project titled, 'Analysis of phytochemicals in Allium cornutum for anti-carcinogenic activity in Breast Cancer through in-silico and in-vitro studies' for the amount of Rs 7,500/- from TNSCST, Chennai.	2021



**CIIC support 24 students startups related to biotechnology and nanotechnology from School of Life Sciences  
 Students startups registered in MSME Udayam**

Name	Mentor	Company Name	UDYAM registration number	Total
Ms.D Chanchal Kumari Jangam	Dr. S. Hemalatha	Cos-no-acne	-	30000
Mr. Janakiraman.s	Dr. S. Hemalatha	Tranquil nanomeds	-	30000
Mr.Janarthanan	Dr. S. Hemalatha	Nanofectant	UDYAM-TN-34-0004583	15000
Ms. Kavya. C	Dr. S. Hemalatha	Citrus	UDYAM-TN-34-0004570	30000
Ms.Vaijayanthi S	Dr. S. Hemalatha	Sil Chill Burn	UDYAM-TN-34-0004586	25000
Ms.Reshma KJ and Kaniga	Dr. S. Hemalatha	Innovatina	-	15000
Ms.Nivedita V	Dr. Khurshid	VISU Biological effluent management	-	
Ms. Raihan. A, Divya	Dr. S. Hemalatha	Nan-o-drops	UDYAM-TN-34-0004582	15000
Ms.Lavanya S	Dr. S. Hemalatha	MHC	UDYAM-TN-34-0004579	20000
Ms.Madhuvarshini, Nizar	Dr. S. Hemalatha	Bio Nawrap	UDYAM-TN-34-0004573	15000
Mr. Dhanushwr K,	Dr. S. Hemalatha	Lacgel	UDYAM-TN-34-0004709	15000

Ms.Priyadharshini				
Ms.Bhavani.M, Ms.Swathi,Ms.Jaya shree	Dr. S. Hemalatha	Clensella	UDYAM-TN-34-0004585	15000
Mohammed Usama N	Dr. Mubarak	Smart Fuel	UDYAM-TN-34-0004589	20000
Santhana Lakshmi. V	Dr. S. Hemalatha	Fish grow N	UDYAM-TN-34-0004591	20000
Srividhyaa K	Dr. S. Hemalatha	Herboblend	-	20000
Rajalakshmi Sivaramakrishnan Madhumitha.H Deebalakshmi. S Vishal J	Dr. S. Hemalatha	Sensoscan	-	30000
Raion Ibtisam OS	Dr. Mubarak	Alion	-	10000
Manikandan	Dr. S. Hemalatha	BackM	-	50000
Pradeesh Kumar A, Mohammed Arsath Farvez K. A	Dr. Ashokkumar	UTI-CIDE	-	10000
Vishwanand V, Vanjimalar	Dr. S. Hemalatha	Vibrotic	UDYAM-TN-34-0004592	15000
Mohammed Irfan	Dr. Soumen	IB-T	UDYAM-TN-34-0004541	10000
Osama ,Shreya	Dr. S. Hemalatha	Forever8teen	-	10000
Karunya.J.R	Dr. S. Hemalatha	Cancur G	UDYAM-TN-34-0004587	10000



➤ **Industry / Institute Collaboration**



S. No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1	HEFA Environ Pvt. Ltd. & HLRJ Biotech Pvt. Ltd Five Star Emergency Management and Research Centre	Organized two days virtual symposium for “National Pollution Control Day”	2.12.2021-3.12.2021	Ongoing		Awareness on pollution control and remedies
2	HEFA Environ Pvt. Ltd. and Kavithalaya Counseling Centre	Event organized to Manage Exam Anxiety During Pandemic	24.01.2022	Ongoing		Manage Exam Anxiety During Pandemic Promotion of our school


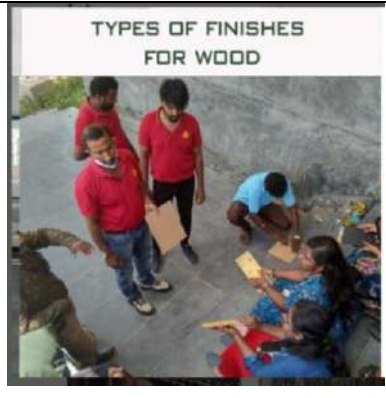
## **CRESCENT SCHOOL OF ARCHITECTURE**


## CRESCENT SCHOOL OF ARCHITECTURE

### ➤ Value Added Programmes Offered

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants			Photos
					Students	Faculty	Others	
1.	Personality Enhancement - I	June 2021- Dec 2021	30 hours	-	54	2	-	
2.	Personality Enhancement - II	Jan 22- May 22	30 hours	-	54	3	-	

3.	Resin Art Workshop	June 2021- Dec 2021	30 hours	-	54	2	-	 <p>A photograph showing two resin art projects. One is a circular resin piece with yellow and white patterns, and the other is a rectangular resin piece with green leaves and orange flowers. A purple banner on the right side of the image reads '1ST YEAR'.</p>
4.	Pottery Workshop	June 2021- Dec 2021	30 hours	-	54	10	-	 <p>A photograph showing a person working on a pottery wheel. The person is wearing a red shirt and a face mask. The text 'POTTERY WHEEL WORKSHOP' is overlaid on the image. There is also a red heart icon and the number '158' in the bottom right corner.</p>

5.	Cement Workshop	June 2022- Dec 2022	7 Hours	-	61	3	-	
6.	Workshop on Different types of finishes for wood	June 2021- Dec 2021	7 Hours	External Expert Member	37	2	-	

7.	Workshop on Digital Interactive Wall Installation- HYPERBLOOM- Innovative Interactive Wall Installation	Jan 22- May 22	105 hrs	Digital Intuition Studio- DiX	69	2	
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➤ **Training Programmes Offered**





S.No	Name of the Programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
01.	Workshop on the training of 3D software- Rhino & Grasshopper for Faculty members	Jan 21- May 21	70 Hrs	Rs 10,000/ Per faculty, Dix Studio	-	14	-
02.	Workshop on the training of 3D software-	May- August 22	45 Hours	-	36	-	-













	Rhino & Grasshopper for Student members						
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➤ **Details of Field visits/Industrial visits organized by the department**

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)	PHOTOS
	Programme	Sem.	Sec.	No. of Students						
01.	B.Des	VI sem	-	37	Ar Sangeetha	IKEA Centre, Hyderabad	3 Days	The students were exposed to various contemporary developments of Interiors/ Decors.	Y	
02.	B.Arch	VI sem	A & B sec	69	Ar Hemaprithikka	Auroville, Pondicherry	1 Day	The students were exposed to various sustainable design developments	Y	

03.	B.Des	VI sem	-	37	Ar Nivedha	Green Park, Chennai	1 Day	The students were exposed to various contemporary developments of Five star Hotel Interiors/ Decors.	Y	
04.	B.Des	II sem	-	38	Ar Madhumathi	Luxury Villa, Interiors	1 Day	The students were exposed to various contemporary developments of Luxury residential interiors.	Y	
05.	B.Arch	IV sem	A & B sec	57	Ar Diwari	Koyambedu market	1 Day	The students were exposed to various market place and space planning	Y	
06.	B.Arch	Vi sem	A & B sec	69	Ar Raghavi	TVS Green Acres	1 Day	The students were exposed to various apartment planning	Y	

07.	B.Arch	II sem	A & B sec	56	Ar Saritha	Beach house Design project	1 Day	The students were exposed to various residential space planning	Y	
08.	B.Des	VI sem	-	37	Ar Sangeetha	Sathyam Cinemas	1 Day	The students were exposed to various contemporary developments of Cineplex interiors	Y	
09.	B.Arch	II sem	A & B sec	56	Ar Saritha	Food Box, Selaiyur	1 Day	The students were exposed to new and futuristic materials and usage.	Y	
10.	B.des	II sem	-	34	Ar Madhumathi	Roca Hacker's Kitchen	1 Day	The students were exposed to many contemporary finishes and products in kitchen design.	Y	

11.	B.Arch	V sem	A & B sec	57	Ar Diwari	Blue-cube Architect's Office	1 Day	The students were exposed to spatial explorations of Office design	Y	
12	B.Arch	V sem	A & B sec	57	Ar Diwari	Pencil & Monk office	1 day	The students were exposed to spatial explorations of Office design	Y	
13	B.Arch	V sem	A & B sec	57	Ar Diwari	KSM office	1 day	The students were exposed to spatial explorations of Office design	Y	
14	B.Des	V sem	-	37	Ar Venketesan	Blue-cube Architect's Office	1 Day	The students were exposed to spatial explorations of Office design	Y	
15	B.Arch	V sem	-	37	Ar Venketesan	Pencil & Monk office	1 day	The students were exposed to spatial explorations of Office design	Y	
16	B.Arch	V sem	-	37	Ar Venketesan	KSM office	1 day	The students were exposed to spatial explorations of	Y	

								Office design		
17.	B.Arch	I sem	A & B sec	69	Ar Hemaprithikka	Dakshinchithr -a	1 day	The students were exposed to historical and vernacular exploration of South Indian Architecture.	Y	
18	B.Des	III sem	-	37	Ar Nivedha	Trip to Ice-cream parlor	1 Day	The students were exposed to spatial explorations of commercial spaces	Y	
19	B.des	III sem	-	37	Ar Nivedha	Trip to Eye clinic	1 Day	The students were exposed to spatial explorations of clinic spaces	Y	

➤ **Conferences / FDP / Seminars / Workshops organized by the department**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
01.	International Conference on Architecture	Conference	28.03.2022-30.03.2022	Rs 500/- for students Rs 1000/- for Professionals	Ar Katherine, Lasalle, Jakarta	34	409	-	-
					Ar Jack Young, Denmark				
					Ar Nihit Bhorpujari, Denmark				
					Ar Shyamala				
					Ar Vrinda Jariwala, Nps, Usa				
					Ar Kavitha Selvaraj				
					Ar Dhanaseelan				
					Ar Latha				
					Ar Uttam				
					Ar Kalaivanan				
					Ar Jinu				
Ar Haritha									

					Ar Kurain George				
					Ar Navara , Measi Academy Of Architecture				
02.	Furniture workshop	Workshop	September 2021	-	-	54	2	-	-
03.	Resin art workshop	Workshop	September 2021	-	-	54	2	-	-
04.	Pottery workshop	Workshop	October 2021	-	-	54	10	-	-
05.	Cement workshop	Workshop	September 2021	-	-	61	3	-	-

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of the Programme / Activity	Duration	Details of financial support received from Institution	Remarks
01.	Skill Development	July 21- August 21	Rs 48,000	-
02.	Skill Development	January 22- May 22	Rs 48,000	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1	Ar.Muthukumar T D	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
2	Ar.Diwari	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
3	Ar.Saritha S C	First International Conference On Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
4	Ar.SangeethA S	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
5	Ar.Venkatesan	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-



6	Ar.Thilakavathi S M	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
7	Ar.Sree Devi	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
8	Ar.Jayakumar	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
9	Ar.Christone R	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
10	Ar.Hema Prithikka	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
11	Ar.Madhumathi.T M	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
12	Ar.Ajit Kavin	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
13	Ar.Nivedha	First International Conference on	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-

		Architecture				
14	Ar. Parveen Dahiya	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
15	Ar.Olimaran	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
16	Ar.Sharafath	First International Conference on Architecture	Conference	28.03.2022-30.03.2022	Crescent School Of Architecture	-
17	Ar Saritha	3D Software Workshop for Faculties	Software Training	January 2021-June 2021	Crescent School Of Architecture	-
18	Ar Thilakavathi	3D Software Workshop for Faculties	Software Training	January 2021-June 2021	Crescent School Of Architecture	-
19	Ar Madhumathi	3D Software Workshop for Faculties	Software Training	January 2021-June 2021	Crescent School Of Architecture	-
20	Ar Diwari	3D Software Workshop for Faculties	Software Training	January 2021-June 2021	Crescent School Of Architecture	-

➤ **Papers Published/ Presented in Journals & Conferences (Total Numbers Only) (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
Architecture Panel- Proceedings: Compilation of Abstracts” 978-93-93712-42-4	-	Architecture Panel- Proceedings: Compilation of Abstracts” 978-93- 93712-42-4	-	-	-	-	-	1

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
01.	Chief Editor- Ar Jayalakshmi	ARCHITECTURE PANEL- PROCEEDINGS: Compilation of Abstracts” 978-93-93712-42-4	500	-	IAM author-Publisher	Available online

➤ **Patents (Obtained / Applied)**


S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
01.	322305-009	MOMART	-	-	Y	Fully funded
02.	322305-001	BLAIR WITCH	-	-	Y	Fully funded
03.	322305-005	MODULAR TABLE CUM STOOL SET	-	-	Y	Fully funded
04.	322305-010	HEXA GLOW	-	-	Y	Fully funded
05.	322305-008	COMPOSITE FURNTIURE SET	-	-	Y	Fully funded

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1	HP Z2 TWR Base Unit G8 RCTO-287S5AV	Solaris Computers Pvt Ltd, Chennai, India	15.07.22	18.07.22	6650000

2	SAMSUNG 28" LED MONITOR LU28R550UQWXXL	Solaris Computers Pvt Ltd, Chennai, India	15.07.22	18.07.22	1250000
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➤ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ Non Teaching Staff	Type of Recognition/Award	Details of Awarding Organization	Month & Year	Photos
01.	Dean, Prof Jayalakshmi, was elected COA member for the tenure of three years from August 2019- August 2022	Elected member	Council of Architecture, Statutory Regulatory body for Architecture	August 2019- August 2022	
02.	Dean, Prof Jayalakshmi, was identified as one of the expert member of Solid waste Management panel	Expert Member	Solid waste management panel constituted by PWD, TamilNadu	September, 2021	-

formulated under the direct initiatives of Tamil Nadu CM- Mr Mk Stalin				
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➤ **Achievements of Students**

S.No	Name of the Students	RRN	Type of recognition/Award Achieved	Details of Awarding Organization	Month & Year
01.	Mr Kishan Gopal	200101601043	'FlexiPod'- <b>An International competition on designing</b> , a Flat-pack, Sustainable Pod conducted by Art & Creatives Pvt Ltd, was participated by our budding architects of 2 <sup>nd</sup> year B.Arch, in which our student Mr Kishan Gopal had won the third place, while Six of our other students entries have got special mention in the competition entry	'FlexiPod'- <b>An International competition</b>	January 2022
02	Mr SelvaRahul	170101601036	7 <sup>th</sup> Place in urban Escape	"Archmello" Competition	Jan 22

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

<b>S.No</b>	<b>Details of development activity</b>	<b>Duration</b>	<b>Details of Faculty and student participation</b>	<b>Objective</b>	<b>Outcome</b>
01	Programmes for aspiring candidates- Miniature model Workshop	1 day	Aspiring students	To create awareness	Knowledge dissemination
02	Programmes for aspiring candidates- Luminaire Design Workshop	1 day	Aspiring students	To create awareness	Knowledge dissemination
03	Programmes for aspiring candidates- Pottery Workshop	1 day	Aspiring students	To create awareness	Knowledge dissemination
04	International Conference on Architecture- Conducted by Crescent School of Architecture	3 days	All students & faculty of CSA	To explore new trends in Architecture	Knowledge dissemination
05	Design Festo	3 days	All students & faculty of CSA	Coordination and Team practice	Knowledge dissemination
06	Food festo	1 day	All students & faculty of CSA	Coordination and Team practice	Knowledge dissemination
07	Guest Lectures	3 days	All students & faculty of CSA	To create awareness	Knowledge dissemination
08	Teacher's Day Celebrations	1 day	All students & faculty of CSA	Coordination and Team practice	Knowledge dissemination

09	Onam Celebrations	1 day	All students & faculty of CSA	Coordination and Team practice	Knowledge dissemination
10	“Know Your City” – One Day trip covering the major landmarks of the city.	1 day	3 <sup>rd</sup> Year B.Arch	To create awareness	Knowledge dissemination
11	“Mall Day:- One day trip to Mall covering the advanced services of mall design	1 day	3 <sup>rd</sup> Year B.Des	To create awareness	Knowledge dissemination

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1	International Conference on Architecture- Conducted by Crescent School of Architecture	Part of the conference	Mar 2022		Completed	Students were subjected to the current and latest developments of the Industry
2	Expert involvement in the conduct of regular Intermediate reviews	Discussion with Practicing External Architects as part of the Regular Architectural Design Studio	Ongoing		Ongoing	Students get exposed to practical details of the ongoing project.



3	Expert involvement in the conduct of Semester End Viva voce Examination.	External Practicing Architects are involved in the marking of the Semester End Viva voce examination.	Ongoing	Ongoing	Students get exposed to practical details of the ongoing
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➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Club Activities- Media Club	Club	25	3	-	-	Outreach programmes	-
2	Club Activities- performing arts Club	Club	16	3	-	-	Outreach programmes	-
3	Club Activities- social outreach Club	Club	34	3	-	-	Outreach programmes	-
4	Club Activities-Art Club	Club	16	2	-	-	Outreach programmes	-
5	Social Media club	Club	25	2	-	-	Outreach programmes	-

## CRESCENT SCHOOL OF BUSINESS

### ➤ DEPARTMENT OF MANAGEMENT STUDIES

## DEPARTMENT OF MANAGEMENT STUDIES

### ➤ New Programmes Started

S.No	Name of the Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BoM	AICTE/UGC
1	MBA (Innovation, Entrepreneurship and Venture Management)	July, 2021	07.07.2021	15.07.2021	07.07.2021	08.07.2021

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Negotiation Mastery	27.04.2022	40 hrs	HBS Online	16	-	-
2.	Business Analytics	01.06.2022	24 - 32 hrs	HBS Online	23	-	-
3.	Entrepreneurship Essentials	13.04.2022	21 - 27 hrs	HBS Online	3	-	-
4.	Sustainable Business Strategy	13.04.2022	8 hrs	HBS Online	7	-	-
5.	Advanced Excel	29.01.2022	24 - 32 hrs	-	65	-	4



➤ Training Programmes Offered

S.No	Name of the Programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	BOSCH - Orientation Programme	01.10.2021	3 Hours	Nil	24	-	-

➤ Details of Field visits/Industrial visits organized by the department

S. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Prog.	Sem.	Sec.	No. of Students					
1	MBA	II	A&B	78	Dr. D. Asokk, Dr. H. Moideen Batcha, Dr. T. Rocky Devi &	Thalayar Tea Factory	14.06.2022	Industry Exposure	Yes

					Dr. S. Bhuvaneshwari				
2	MBA	II	A&B	78	Dr. D. Asokk, Dr. H. Moideen Batcha, Dr. T. Rocky Devi & Dr. S. Bhuvaneshwari	Snowline Fruits Garden	14.06.2022	Industry Exposure	Yes
3	MBA	II	A&B	78	Dr. D. Asokk, Dr. H. Moideen Batcha, Dr. T. Rocky Devi & Dr. S. Bhuvaneshwari	Crescent Sugarcanes	15.06.2022	Industry Exposure	Yes
4	MBA	II	Strategy Focus	36	Dr. K. Srinivasan & Dr. S. Bhuvaneshwari	Danfoss Industries Pvt. Ltd.	19.05.2022	Industry Exposure	Yes
5	MBA	IV	A&B	69	Dr. S. Prasanna & Dr. S. Saravanan	Triway CFS	12.05.2022	Industry Exposure	Yes
6	MBA	IV	A&B	37	Dr. J. Hemalatha & Dr. T. Rockydevi	Triway CFS	11.05.2022	Industry Exposure	<b>Yes</b>



**Educational tour to 'Thalayar Tea factory', Munnar on 14.06.2022**

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the Programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Talent Management	Guest Lecture	10.06.2022	NIL	Ms. Umadevi, Senior HR Business Advisor - International Markets Group, Ford Motor Company	-	125	-	-
2	Leadership	FDP	01.06.2022	NIL	Dr. D.J.E. Ravithilagan, Former HR Head – FSS Ltd. and Adjunct Professor – CSB Mr. Ashraf Ali, Founder & Director – Life Academy and Author of a Book titled Game Oriented Active Learning	30	-	-	-
3	Bridging the Gap - Industry 4.0 Reality	Guest Lecture	27.05.2022	NIL	Mr. Peter Sahayaraj, CEO, Build HQ & Mr.S.Selvam, Partner, Thorne Venture Tech	-	100	-	-
4	Academic Research and Publication	Seminar	28.04.2022	NIL	Dr. Usha Ananthakumar, Professor, Shailesh J Mehta School Of Management, Indian Institute Of Technology, Bombay	40	-	-	-

5	Current Corporate Practices in Performance and Training	Guest Lecture	01.02.2022	NIL	Mr. Sivaraman Ambalam, Founder Sarvesh, HR and Management Consultancy-Chennai	-	30	-	-
6	International HRM and Productivity Focus in Sweden	Guest Lecture	30.10.2021	NIL	Hari Kumar Srinivasan, CGI, Sweden AB, HRM Public BU-Business Analyst	-	45	-	-
7	Re-imagining HR	Guest Lecture	30.09.2021	NIL	Ms. Anitha Sankaranarayanan, Toyota	-	70	-	-
8	The Data World	Guest Lecture	30.09.2021	NIL	Mr. R. Sethuraman, Akara Research and Technologies Pvt Ltd, Founder & Director	-	63	-	-
9	Being a Leader	Guest Lecture (Fireside chat)	29.09.2021	NIL	Dr. C.B. Rao, Former Executive Chairman and Managing Director, Hospira Healthcare India Pvt. Ltd, & Dr. D.J.E. Ravithilagan, Former HR Head – FSS Ltd. and Adjunct Professor – CSB	-	65	-	-
10	Understanding BD & Teamwork in your Career	Guest Lecture	23.09.2021	NIL	Mr. Manu Sree Achuthan, VP, Global Sales & Marketing Support, Transitions & Innovation	-	57	-	-
11	Critical insights on what it takes	Guest Lecture	22.09.2021	NIL	Mr. Balachandran Dharman, RR Kabel	-	65	-	-

	to successfully transform from 'Campus to Corporate'				Ltd., Director – Business Development, MEW Electricals, Vice Chairman of FSAI (Fire and Safety Association of India)-Events & Program, and Co-Chairman of the Expert Committee for Energy, MCCI (Madras Chamber of Commerce and Industry).				
12	Get, Set, Go, a Life Skills Workshop	Workshop	21.09.2021	NIL	Mr. Ashraf Ali, Director of Life Academy	-	64		-

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No.	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1	Guest Lecture on Talent Management	10.06.2022	NIL	-
2	FDP on Leadership	01.06.2022	Rs. 24,281/-	-
3	Seminar on Bridging the Gap - Industry 4.0 Reality	27.05.2022	NIL	-



4	Seminar on Academic Research and Publication	28.04.2022	NIL	MoU between Crescent & IIT, Mumbai
5	Guest Lecture on Current Corporate Practices in Performance and Training	01.02.2022	NIL	-
6	Guest Lecture on International HRM and Productivity Focus in Sweden	30.10.2021	NIL	-
7	Guest Lecture on Re-imagining HR	30.09.2021	NIL	-
8	Guest Lecture on The Data World	30.09.2021	Rs.3,750/-	-
9	Guest Lecture on Being a Leader	29.09.2021	NIL	-
10	Seminar on Understanding BD & Teamwork in your Career	23.09.2021	Rs.5,000/-	-
11	Guest Lecture on Critical insights on what it takes to successfully transform from 'Campus to Corporate'	22.09.2021	Rs.1,400/-	-
12	Workshop on Get, Set, Go, a Life Skills	21.09.2021	Rs.17,700/-	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S. No.	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. R. Priya	Inculcating Universal Human Values in Technical Education	FDP	27.06.2022 – 01.07.2022	AICTE	NIL

2.	Dr. T. Rocky Devi	Leadership	FDP	01.06.2022	CSB, BSACIST	NIL
3.	Dr. H. Moideen Batcha	Leadership	FDP	01.06.2022	CSB, BSACIST	NIL
4.	Dr. S. Bhuvaneshwari	Best Practices For Next Gen Teachers	FDP	30.05.2022 – 06.07.2022	SRM Institute of Science and Technology	NIL
5.	Dr. S. Bhuvaneshwari	Research Ethics and Quality Publications	Webinar	28.05.2022	BSACIST	NIL
6.	Dr. R. Priya	NPTEL E- Awareness Workshop	Workshop	17.05.2022	IIT - Madras	NIL
7.	Dr. R. Priya	How to improve your article acceptance rate and publish quicker?	Webinar	22.03.2022	SRM Institute of Science and Technology	NIL
8.	Dr. R. Priya	Read for Success	Workshop	28.2.2022 - 05.3.2022	Wisdom Academy	NIL
9.	Dr. S. Bhuvaneshwari	How to improve your article acceptance rate and publish quicker?	Webinar	22.03.2022	SRM Institute of Science and Technology	NIL
10.	Dr. S. Bhuvaneshwari	Exploring Technology	Webinar	11.03.2022	CDOE, BSACIST	NIL
11.	Dr. R. Priya	Research Methodology for Social Sciences	FDP	21.02.2022 26.02.2022	Women's Studies Centre, Sri Padmavati Mahila Visvavidyalayam in collaboration with UGC	NIL
12.	Dr. S. Bhuvaneshwari	Improving Research Writing Using Grammarly Software	Webinar	06.02.2022	BSACIST	NIL

13.	Dr. R. Priya	Data Analysis using Business Excel	Workshop	01.02.2022 03.2.2022	Global Institute of Statistical Solutions	NIL
14.	Dr. S. Bhuvaneshwari	Data Analysis Using Business Excel	Workshop		Global Institute of Statistical Solutions	NIL
15.	Dr. S. Bhuvaneshwari	Research Tools & Techniques	FDP	27.01.2022 29.01.2022	Dayananda Sagar College of Arts, Science & Commerce, Bangalore	NIL
16.	Dr. D. Asokk	Multivariate Analysis in Research	MDP	24.11/2021 - 26.11.2021	Dayanada Sagar College of Engineering	NIL

➤ **Papers Published/ Presented in Journals & Conferences (July 2021 - June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
2	1	1	1	-	1	10	-	16

**Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**g) SCI/Scopus Indexed Journal**

1. Ansari Sarwar Alam, Arshiya Fathima M.S. "Implication of Theory of Planned Behavior and Marketing Mix Variables in Assessing the Mindset of Consumers for Solar Products in India", *International Journal of Energy Sector Management*, online, 2022.

2. Satish R., Saravanan S. “Antecedents of Retail Investors Perceived Value in an IPO Investment”, *ECS Transactions*, Vol. 101, No. 1, pp. 12705-12712, 2022.
3. L. Aravindh Kumaran and Hemalatha Jeyachandran. “Modelling e-business Influencing Factors for Supply Chain Performance of Indian MSMEs: an ISM Approach”, *International Journal of Process Management and Benchmarking*, Vol. 12, No. 1, pp.28-45, 2022.
4. Dr. Dhyana Sharon Ross, Dr. D. Asokk & Dr.H. Moideen Batcha. “The Moderating Role of Intranet on Job Analysis and Job Performance in IT Sector”, *Korea Review of International Studies*, Vol. 15, Spec. 12 pp.32-41, 2022.
5. Azamussan Syed & Munuswamy Shanmugam. “An Empirical Examination of the Effects of Demographic Groups on Socially Responsible Consumption Behaviour”, *Social Responsibility Journal*, online, 2021.
6. Ms. Madhyvadany and Dr. S. Panboli. “An Analysis of Engagement Levels of Employees in Audit Firms During Pandemic”, *Design Engineering*, Vol. 8, No. 1, pp. 4120-4127, 2021.
7. Tisha Meriam Cherian, Shanmugam Munuswamy & K. Mohamed Jasim. “Strategic sourcing: An Empirical Study among Indian Construction Retailers”, *International Journal of Construction Supply Chain Management*, Vol. 11, No. 1, pp.34-48, 2021.
8. Haider Yasmeen and Amitha Babu. “Implications of Mandatory Corporate Social Responsibility on Rural Development in India”, *International Journal of Management Practice*, Vol. 14, No. 6, pp.716-735, 2021.
9. T. Rocky Devi, Hemalatha, J., Shanmugam Munuswamy and Nageshwari. “Employees’ Differential Perception of Work from Home (WFH) During and Post COVID-19”, *Turkish Online Journal of Qualitative Inquiry*, Vol. 12, No. 8, pp. 3751-3757, 2021.
10. Anjel Raj, J. and Hemalatha, J. “A Bibliometric Study on Effect of Social Media Marketing on Customer Engagement”, *Turkish Online Journal of Qualitative Inquiry*, Vol. 12, No. 8, pp. 2690-2971, 2021.

➤ **Other journals**

1. E.T. Evangeline & H. Moideen Batcha. “Measuring the Level of Motivation, Organization Culture and Employee Engagement in the Indian IT Sector”, *NIU International Journal of Human Rights*, Vol. 8, No. 13, pp. 92-95, 2021

➤ **International Conference & National Conference:**

**a. Conference with ISBN Proceedings**

1. Dr. Bhuvaneshwari S. & Dr. R. Priya, “A Study on Ethical Behaviour of Life, Science and Society”, in *Conf. on Economic Challenges and Business Opportunities - COVID-19 Era*, Department of Commerce and Economics, Bharath Institute of Higher Education and Research, Chennai, India, Feb. 2022, pp. 1122 -1126
2. Dr. R. Priya, “Impact of Organizational Factors on Innovation in Auto Component Manufacturing SMEs”, in *Conf. on Recovery Strategies for Business Sustainability -Post COVID -19*, Department of Commerce, Bharath Institute of Higher Education and Research in Association with PG & Research Department of Commerce and management Vivekanandha College of Arts & Sciences for Women – VICAS, Chennai, India, Feb. 2022, pp. 460 -466
3. Julie & Dr. Haider Yasmeen, “Existence of Generational Differences in Modern Workforce: Do they Matter?” in *6th International Conference on Contemporary Management 2021*, University of Jaffna, Srilanka, Nov. 2021.

**b. Other Conferences**

1. Dr. S. Saravanan, “Penetration of Artificial Intelligence in the Manufacturing Sector”, in *Conf. on Sustainable Environment Management(ICSEM-2022)*, Alagappa University, Karaikudi, India, Mar. 2022.
2. Dr. S. Saravanan, “Antecedents of Retail Investor’s Perceived Value in an IPO Investment”, in *Conf. on International Virtual Conference on Interdisciplinary Innovation in Academic Research*, The American College, Madurai, India, Nov. 2021.

➤ **Book(s) Published**

S.No.	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, Country & Month of publication	Availability Status
			Rs	\$		
1	Dr. S. Bhuvaneshwari & Dr. M. Kaveri	Corporate Management	-	-	VR1 Publications, Chennai, India, Jan. 2022	Available
2	Dr. S. Bhuvaneshwari	Principles of Management	-	-	VR1 Publications, Chennai, India, Jan. 2022	Available
3	Dr. Haider Yasmeen	Role of Education in Employability and Employment in Empowerment of Perspective Teachers for Employability(eds.)	-	-	Shanlax Publications, Madurai, India, Oct. 2021	Available

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. D. Asokk	Online Marketing Recommendation using IoT sensor-based product in retail environment	Yes	Yes	No	NIL

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range : **0- 0.632**

B) Average : **0.222**

C) H-Index : **4**

D) No. in Scopus : **10**

➤ **Sponsored Research (Ongoing / Granted)**

S.No.	Principal and Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1	Dr. J. Hemalatha and Dr. S. Prasanna	AICTE	Copper Smelters and its Impact on the Health of Downstream People, the Economic Livelihood of its Employees, and Waste Management System. The Case of Sterlite Copper in Tuticorin, Tamil Nadu	Rs.2,84,000	Rs.2,84,000	Rs. 75,000	Rs. 2,09,000	Ongoing

➤ **International Visits by Faculty / Students**

69 students from Crescent School of Business along with the Dean/CSB attended an International Immersion Programme (IIP) at the National University of Singapore from 10th June to 15th June 2022. The purpose of the visit is to provide international exposure to students with a world-class University. The Immersion Programme had lecture sessions on 'Market entry strategies for Asia', field visits, a research project and presentations on digital strategies. The sessions were delivered by Professor Lee Boon Kee of National University of Singapore. The International Immersion Programme is one of the activities under strategy elective area.



➤ **Faculty Internships (Industry / research organization / Academic Institution)**

S.No	Name of the Faculty	Details of work place & Mentor	Period of Internship	Outcome
1.	Dr. K. Srinivasan	National University of Singapore	One week (10.06.2022 – 15.06.2022)	International Exposure & Partnerships

➤ **Achievements of Faculty & non-teaching staff**

S.No	Name of the Faculty/ Non-teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. Haider Yasmeen	Appointed as Research Associate	University of Johannesburg, a Public University in South Africa	October, 2021



➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Harine S.	210292601018	Street play (Second prize)	SDNB Vaishnav College	April, 2022
2	Girish C.J.	210292601016	Business plan (First prize – Rs.15000/-)	Madras Management Association	November, 2021

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1.	Dr. Joseph Mary Rahila, AP was invited to give guest lecture on Consumer Behaviour in DoMS, Anna University	09.12.2021	MBA Students	Knowledge dissemination	Institute Branding
2.	Dr. K. Srinivasan, Dean & Prof. was invited as a resource person to deliver a lecture on 'Service Recovery' at the Marketing Symposium on 'Boundless Marketing' organized by the School of Business & Management, Christ University, Bengaluru.	17.09.2021	MBA Students	Knowledge Dissemination	Institute Branding
3.	Dr. Haider Yasmeen, Prof. was invited as a resource person for the 5 <sup>th</sup> Online Faculty Induction Programme of UGC organized by Human Resource Development	10.08.2021 to 08.09.2021	Faculty member	Knowledge dissemination	Institute Branding

	Centre, Jamia Millia Islamia, New Delhi				
4.	Dr. Haider Yasmeen has been appointed as Research Associate at the University of Johannesburg, a Public University in South Africa to do research collaboration	01.10.2021 to 30.09.2024	Faculty member	Research Collaboration	Institute Branding

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	M/s. Pamsun Solutions DWC LLC, Dubai	3 Consultancy projects	February - September 2022	Completed		Fund generated, Institute Branding
2.	M/s. Pamsun Solutions DWC LLC, Dubai	Stakeholders Training Programme	July, 2022	Completed		Sharing of expertise, Institute Branding
3.	M/s. Pamsun Solutions DWC LLC, Dubai	Management Development Programme	July, 2022	Completed		Sharing of expertise, Institute Branding

➤ **Professional Society Activities:**

S.No	Name of the Society	Type of activity	Details of Participants			Details of Guest speaker	Outcome
			Faculty	Student	Others		
1.	Madras	Conclave on	1	32	-	Mr. C. V. Subba Rao	Awareness on SDGs

	Management Association	Sustainable development Goals				<p>President, Madras Management Association &amp; MD, Sanmar Shipping Ltd.</p> <p>Gp. Capt. R. Vijayakumar (Retd.), VSM Executive Director, MMA</p> <p>Dr. R. Sujatha SDG Associate, Govt. of Tamil Nadu &amp; Honorary Director, KIDI</p> <p>Mr. Vikram Kapur Additional Chief Secretary - Planning &amp; Development, Govt. of Tamil Nadu</p> <p>Mr. Ravichandran Purushothaman President, Danfoss Industries Pvt. Ltd. &amp; Immediate Past President MMA</p>	and positive orientation towards integration of SDGs in Business
2.	Madras Management Association	20 <sup>th</sup> All India management association student convention	1	22	-	<p>Mr. Vishwanathan Anand (Indian Chess Grandmaster)</p> <p>Mr. Gopi Kallayil, Gooflr Board Advisor to the CEO Plaeto.</p>	Industry exposure and new knowledge. Students won prize in competition
3.	Madras Management Association	"Participate Leadership"	1	26	-	<p>Mr. V. M. Rajeskhara (Founder &amp; Chief Consultant Business Clinique)</p> <p>Mr. George (Company President Grundfos Pumps India Pvt. Ltd.)</p> <p>Ms. Preethy Unnikrishnan</p>	Industry exposure and new knowledge

						(General Manager - HR Strategic Growth Business Unit, TCS)	
4.	Madras Management Association	MMA Annual Convention 2022 – Betting on the future	1	24	-	Mr. B. Ashok, Former Chairman, Indian Oil Corporation Ltd. & Mr. Prashanth Vasu, Head of Strategy, Ramco Group	Industry exposure and new knowledge
5.	Madras Management Association	One Day Conclave on the Topic of “Re-envisioning Management education to shape leaders of Tomorrow”.	2	30	-	Mr. K. Chandran, CEO - The Chennai Angels.  Mr. Sudakar Raja Founder & CEO, TRT Score	Industry exposure and new knowledge
6.	VIBE 2022	Inter - departmental talent program held		136	-	Mr. Rathnakumar, Director of Account Management at Charge Bee.	Institute Branding and organizing skills for the students



**'Vibe 2022', an inter departmental talent program held on 7th April 2022**

➤ **MoUs Signed**

S.No	Name of the Industry / Research Organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1.	HBS Online (MoA)	Value added courses	01	11	2021	Global education experience	Live

➤ **Important Visitors:**

<b>S.No</b>	<b>Name of the visitor</b>	<b>Affiliation Details</b>	<b>Details of visit (Date/duration &amp; purpose)</b>	<b>Outcome</b>
1	Mr. Balachandran. D	RR Kabel Ltd., Director – Business Development, MEW Electricals, Vice Chairman of FSAI (Fire and Safety Association of India)-Events & Program, and Co-Chairman of the Expert Committee for Energy, MCCI (Madras Chamber of Commerce and Industry).	22.09.2021	Industry exposure, awareness on industry expectations and new knowledge
2	Mr. R. Sethuraman	Founder - Akara Research and Technologies Pvt. Ltd.,	30.09.2021	Industry Exposure and new knowledge about the Data world
3	Dr. L.S. Ganesh	Prof & Head, DOMS IIT -Madras	29.03.2022	Awareness on Business ethics

## **SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES**

- **DEPARTMENT OF PHYSICS**
- **DEPARTMENT OF CHEMISTRY**

## DEPARTMENT OF PHYSICS

### ➤ Value Added Programmes Offered

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1.	Materials Characterization Techniques	01.04.2022 - 31.05.2022	4 hours/week	NIL	52	0	0

### Important Remarks:

- The programme is offered to MSc Physics (Semester II and IV) students

### ➤ Interdisciplinary Programmes Conducted

S.No	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1.	Soft skills	Department of English, B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	16	-	-	Soft skills and communication development among PG students
2.	Placement and Training programmes	Placement & Training Cell, B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	36	-	-	Awareness on Placement and Training for PG students (Final year)



➤ **Details of Field visits/Industrial visits organized by the department**

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	Industrial visit	II and IV		52	Dr R Amiruddin, Assistant Professor / Physics  Dr. N.Hajara Beevi, Professor / Chemistry	Kodaikanal Observatory, Indian Institute of Astrophysics, Kodaikanal, Tamil Nadu 624103	13.05.2022 – 15.05.2022	<ul style="list-style-type: none"> <li>The students obtained knowledge on recent advancements related to Astrophysics.</li> <li>The industrial visit laid as a foundation for those students who wished to establish their research careers in Astrophysics.</li> </ul>	No

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the Programme	Type of Programme	Duration (From-To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Career Opportunities and Guidance in Physics	Webinar	26.08.2021	Free registration  <b>Funded by</b> 1. B. S. Abdur Rahman Crescent Institute of Science and Technology	<b>Speaker:</b> <b>Dr. Satyanarayana S.V.M.</b> Associate Professor Department of Physics School of Physical, Chemical & Applied Sciences, Pondicherry	10	-	1	89

				(BSACIST), Chennai	University				
2.	Presentation by Research Scholars of the Physics Department	Seminar	14.09.2021	Free registration	<b>Speaker (s):</b> <b>1. Mr. R. Senthil</b> <b>Title :</b> Synthesis and characterization of amino acid based NLO crystals <b>2. Mr. K. Rackash Jawahar</b> <b>Title :</b> Structural and vibrational properties of CdO, ZnO and CdO- ZnO nanocomposites for acetone sensing applications	10	15	-	-
3.	Presentation by Research Scholars of the Physics Department	Seminar	28.09.2021	Free registration	<b>Speaker (s):</b> <b>Mr. K. Rackash Jawahar</b> <b>Title :</b> Structural and vibrational properties of CdO, ZnO and CdO- ZnO nanocomposites for acetone sensing applications	8	15	-	-
4.	Monthly Seminar presentation by Research Scholars of the Physics Department	Seminar	12.10.2021	Free registration	<b>Speaker (s):</b> <b>Mr. N. Gopinathan</b> <b>Title:</b> Synthesis, Fabrication and Characterization for Stable as well as low toxic Perovskite Solar Cells	8	14	-	-
5.	Fundamental Aspects of Quantum	State level online workshop	29.10.2021 To	Free registration <b>Collaborating</b>	<b>Speaker (s):</b> <b>1. Dr. Ashok Kapoor</b> Professor (Retired)	11	20	10	50

	Mechanics		02.11.2021	<b>Agency:</b> 1. Chennai Mathematical Institute, Chennai 2. The National Academy of Sciences, Allahabad	School of Physics, University of Hyderabad Hyderabad 500046, Andhra Pradesh (Former Adjunct Professor Chennai Mathematical Institute) <b>2. Dr. Pankaj Sharan</b> Professor (Retired), Department of Physics Jamia Millia Islamia, Jamia Nagar New Delhi 110025 <b>3. Dr. H.S. Mani</b> Adjunct Professor Chennai Mathematical Institute (CMI), Kelambakkam, Chennai 603103, Tamil Nadu <b>4. Dr. V.V. Sreedhar</b> Professor Chennai Mathematical Institute (CMI), Kelambakkam, Chennai 603103, Tamil Nadu				
6.	45 <sup>th</sup> Indian Social Science Congress –	<b>Research Committee – 24</b>	28.03.2022 to 01.04.2022	<b>Registration fees:</b> INR 4000 per member	<b>Speaker (s): Chairperson</b> Prof. (Dr.) Gufran Beig	5	8	4	2

	2022	Physical Science - Advances in Materials Science for Functional Applications (AMSFA - 2021)		<b>Sponsoring Agencies</b> 1. Indian Social Science Academy, Uttar Pradesh 211004  2. B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	Founder Project Director, SAFAR (@IITM, Ministry of Earth Science) National Institute of Advanced Studies, IISC Campus Bangalore – 560012  <b>Convener</b> Prof. Sumit K. Mishra Principal Scientist Atmospheric Science and Metrology Environmental Science & Biomedical Metrology Division CSIR-National Physical Laboratory New Delhi 110012				
7.	45 <sup>th</sup> Indian Social Science Congress – 2022	<b>Themes - 13</b> People Health and Quality of Life	28.03.2022 to 01.04.2022	<b>Registration fees:</b> INR 4000 per member  <b>Sponsoring Agencies</b> 1. Indian Social Science Academy, Uttar Pradesh 211004  2. B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	<b>Speaker (s): Chairperson</b> Prof. (Dr.) Diwakar Goli Vice-chancellor Raffles University, Japanese Zone, N.H. 48, Neemrana, Alwar 301705 (Rajasthan)	2	2	1	2

8.	45 <sup>th</sup> Indian Social Science Congress – 2022	<b>Themes - 6</b> History of Philosophy of Science	28.03.2022 to 01.04.2022	<b>Registration fees:</b> INR 4000 per member  <b>Sponsoring Agencies</b> 1. Indian Social Science Academy, Uttar Pradesh 211004  2. B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	-	3	2	1	2
7.	Monthly Seminar presentation by Research Scholars of the Physics Department	Seminar	11.01.2022	Free registration	<b>Speaker (s):</b> <b>Mr. Sheeba</b> <b>Title:</b> Surface modification of graphene oxide and reduced graphene oxide with silver nanoparticles for antibacterial activities	8	14	-	-
8.	Awareness Programme on Careers in Physics (APCP 2022)	State level Seminar	26.08.2021	Free registration  <b>Funded by</b> 1. B. S. Abdur Rahman Crescent Institute of Science and Technology (BSACIST), Chennai	<b>Speaker (s):</b> <b>Dr. Rita John</b> Professor and Head Department of Theoretical Physics University of Madras, Chennai, India	10	15	-	55

**Important Remarks:**

- The Awareness Programme on Careers in Physics is organized every academic year to increase the admission strength for MSc Physics programme.

➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	45 <sup>th</sup> Indian Social Science Congress – 2022  <ul style="list-style-type: none"> <li>• <b>Research Committee – 24</b> Physical Science : Advances in Materials Science for Functional Applications (AMSFA - 2022)</li> <li>• <b>Themes - 6</b> History of Philosophy of Science</li> <li>• <b>Themes - 13</b> People Health and Quality of Life</li> </ul>	28.03.2022 - 01.04.2022	<ul style="list-style-type: none"> <li>• Sponsored the Registration Fees for the Institutional Participants</li> </ul>	-
2.	Fundamental Aspects of Quantum Mechanics	29.10.2021- 02.11.2021	<ul style="list-style-type: none"> <li>• Sponsored the Honorarium the speakers and the organizers.</li> </ul>	Due to Covid – 19's pandemic, the meeting was conducted online through Zoom platform.

➤ **Invited talk:**

**Faculty name** : Dr R Indirajith, Assistant Professor (Senior Grade)  
**Title of the Presentation** : Synthesis, Deposition, Annealing Effects and Effects of Ag<sup>9+</sup> ions Irradiation of tin Selenide (SnSe) Thin Films Prepared by Thermal Evaporation Technique.  
**Event** : International Conference on Advanced Materials and its Applications (ICAMA – 2022)  
**Venue** : Srinivasan College of arts and Science, Perumbalur 621 212, Tamil Nadu  
**Date** : 23.03.2022 to 25.03.2022.

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
0	1	0	3	0	0	31	-	35

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal in SCI/Scopus Indexed Journal**

1. Priyanka Rani, **M Basheer Ahamed**, Kalim Deshmukh “Dielectric and Electromagnetic Interference Shielding Performance of Graphene Nanoplatelets and Copper Oxide Nanoparticles Reinforced Polyvinylidene fluoride/Poly(3,4-Ethylenedioxythiophene)-Block-Poly (Ethylene Glycol) Blend Nanocomposites” *Synthetic Metals*, vol. 282, pp.116923, 2021.
2. N Parimon, MH Mamat, AB Suriani, A Mohamed, MK Ahmad, **IB Shameem Banu**, N Vasimalai, M Rusop, “Physical Properties of Novel  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>/NiO heterostructures through immersion/sol–gel spin coating method: different deposition numbers of NiO layer”, *Jurnal Teknologi*, vol. 93, 19-26, 2021.
3. A Sathiya Priya, D Geetha, **IB Shameem Banu**, “Structural, Dielectric, and Impedance Analysis of (Dy, Cu) Co-doped BiFeO<sub>3</sub>”, *Brazilian Journal of Physics* vol. 51, pp. 1438-1447, 2021.

4. SR Thahirunnisa, **IB Shameem Banu**, **M Mohamed Sheik Sirajuddeen**, IkramUn Nabi Lone, “Insights on Optical and Charge Density Properties of Semiconducting Chalcopyrites ZnAP<sub>2</sub> (A= Si, Ge, Sn) using modified Becke-Johnson potential–A first principles study,” *Semiconductors*, vol. 55, pp. 914-921, 2021.
5. Rayees Ahmad Khan, Shabir Ahmad Akhoun, **Vijayaraghavan G V**, Seemin Rubab, Thanigai Arul Kumaravelu & Chung-Li Dong , Al-doped LiMn<sub>2</sub>O<sub>4</sub> Nanostructures for Environmentally benign Supercapacitor Applications, *Materials Technology*, Vol 37(13) 2415-2424, DOI: 10.1080/10667857.2022.2038528, 2022.
6. Rayees Ahmad Khan, Shabir Ahmad Akhoun, **G. V. Vijayaraghavan**, Seemin Rubab, Mohammad Ashraf Shah, Kumaravelu Thanigai Arul, and Chung-Li Dong, “The Novel Limn<sub>1.8</sub>Al<sub>0.2</sub>O<sub>4</sub> Nanosheets for High Energy and Power Density Supercapacitor Cathode Applications”, *Ionics*, 28, pages 4805–4815 DOI: 10.1007/s11581-022-04648-7, 2022.
7. Muniyandi Maruthupandi, Pandiaraja Varatharajan, **IB Shameem Banu**, Mohamad Hafiz Mamat, Nagamalai Vasimalai, “White Light Emitting Diode and Anti-Counterfeiting Applications of Microwave Assisted Synthesized Green Fluorescent Carbon Dots Derived from Waste Curry Leaves Authors”, *Results in Optics*, vol. 8, pp. 100249, 2022.
8. Ikram Un Nabi Lone, Hani Barhum, Tawqeer Zamrood, **IB Shameem Banu**, Saubia Khalid, SR Thahirunnisa, “A Comparative Study in Rocksalt and Zincblende Structured Binary and doped alkaline earth pnictides SrP and SrAs by first-principles Perspective”, *Computational Condensed Matter*, vol.31, pp. e00674, 2022.
9. P Komalavalli, **IB Shameem Banu**, MH Mamat, M Shahid Anwar, Shamima Hussain, **S Sathik Basha**, R Rajesh, “Enhanced Magnetoelectric Effect in Heterogeneous Multiferroic (x) CuFe<sub>2</sub>O<sub>4</sub>–(1– x) KNbO<sub>3</sub> Nanocomposite,” *Emergent Materials*, vol.5, 529-536, 2022.
10. A Bismibanu, M Alagar, **IB Shameem Banu**, Pradeep Reddy Vanga, Thangaraj Selvalakshmi, M Ashok, “Structural, Microstructural, Magnetic, Ferroelectric, and Energy Bandgap Analysis of Heavily-Doped Pr at Bi Site of BiFeO<sub>3</sub>”, *Brazilian Journal of Physics*, vol. 52, pp. 1-8, 2022.
11. **I. B. Shameem Banu.**, Rajesh Raman, Mohamad Hafiz Mamat, Komalavalli P.,Poornima B. H.,Divyalakshmi **S Sathik Basha**,Sathya Priya A, Shamima Hussain, S. (2022). Strain-Mediated Electrical and Optical Properties of Novel Lead-Free



- CuFe<sub>2</sub>O<sub>4</sub>–KNbO<sub>3</sub> nanocomposite solid solutions: A Combined Experimental and Density Functional Theory Studies. *Microscopy Research and Technique*, vol. 85, pp. 3140– 3152, 2022. (DOI: 10.1002/jemt.24172).
12. Biswas N, **I. Raja Mohamed**, “Noise Assisted Image Encryption and Decryption using 2-D Chaotic System”, *Research Square*, 2021 (DOI: 10.21203/rs.3.rs-807624/v1)
  13. Chithra, A., **I. Raja Mohamed**, Multiple Attractors and Strange Nonchaotic Dynamical Behavior in a Periodically Forced System. *Nonlinear Dynamics* 105, 3615–3635 (2021).
  14. Abhirami S, **S. Sathik Basha**, “Effect of Trivalent Lanthanide Substitution on Novel Nd<sub>2</sub>FeMnO<sub>6</sub> Double Perovskite” compounds, *Solid State Technology*, vol. 64, pp.1-17, 2021.
  15. Syed Muzafar Ahmed, K. Shafeeque Ahmed, Y. Mohamed Shuaib, **S. Sathik Basha**, “Torque and Speed Control of Asynchronous Motor Fed by 4-Level Diode Clamped Multilevel Inverter” *Journal on Electrical Engineering*, vol. 14, pp.14, 2021
  16. Viswaprakash Babu, Shafeeque Ahmed K, Y. Mohamed Shuaib, Dr.M. Manikandan, **S. Sathik Basha**, “Cascaded Fuzzy Logic Control of PV Fed DVR for Power Distribution Systems”, *Design Engineering*, vol.8, pp. 8890– 8900, 2021.
  17. Ikram Un Nabi Lone, **M Mohamed Sheik Sirajuddeen**, Nazir Ahmad Teli, Hafiz Hamid Raza, Saubia Khalid, Raheel Hammad, “DFT Calculations on the Ternary MScP, quaternary MSc<sub>2</sub>P (M= Cu, Zn), and Cu and Zn doped in semiconducting scandium phosphide by GGA and GGA+ U approach”, *Vacuum*, vol. 191, pp. 110328, 2021.
  18. **M Mohamed Sheik Sirajuddeen** S Syed Rahmathullah, “Electronic and Magnetic Properties of Nitrogen Substituted Cubic Perovskites of RbNbO<sub>3</sub> and CsNbO<sub>3</sub> using PBE-GGA and TB-mBJ methods,” *Materials Research Innovations*, 2022. (DOI:10.1080/14328917.2022.2088920)
  19. Shobana Priyanka, **M Mohamed Sheik Sirajuddeen**, M Srinivasan, P Ramasamy, “Spin Polarized Study of Alkaline earth-cubic Lead perovskites (PbXO<sub>3</sub>, X= Mg, Ca & Sr) for emerging spintronic technology”, *Journal of Crystal Growth*, vol. 590, pp. 126699, 2022.
  20. Sugirdha Sampath, Murugan Vadivelu, Abbasriyaludeen Abdul Raheem, **R. Indirajith**, Kannabiran Parthasarathy, Kesavan Karthikeyan, Chandrasekar Praveen, “Practical Coprecipitation Approach for High-Aspect Ratio Cupric Oxide Nanoparticles: A

- Sustainable Catalytic Platform for Huisgen and Fluorogenic Click Chemistry”, *Industrial & Engineering Chemistry Research*, vol. 61, 9552-9566, 2022.
21. D Kanimozhi, M Rajalakshmi, **R Indirajith**, “Effects of Alizarin green dye in the growth, optical, mechanical and dielectric properties of glycine crystals”, *Journal of Materials Science: Materials in Electronics*, vol. 33, pp. 3162-3174.
  22. Shahnaz Kossar, **IB Shameem Banu**, Noor Aman, **R Amiruddin** “Investigation on photocatalytic degradation of crystal violet dye using bismuth ferrite nanoparticles”, *Journal of Dispersion Science and Technology*, vol.42, pp. 2053-2062, 2021.
  23. Shahnaz Kossar, **R Amiruddin**, Asif Rasool, “Study on thickness-dependence characteristics of bismuth ferrite (BFO) for ultraviolet (UV) photodetector application”, *Micro and Nano Systems Letters*, vol. 9, pp. 1-10, 2021.
  24. Shahnaz Kossar, **R Amiruddin**, Asif Rasool “Investigation on Asymmetric Resistive Switching (RS) characteristics in p-NiO/n-ZnO heterojunctions”, *Microelectronic Engineering*, vol.254, pp. 111669, 2022
  25. Asif Rasool, **R Amiruddin**, Shahnaz Kossar, MC Kumar, “Multifunctional n-ZnO/MoO<sub>3</sub>/PEDOT: PSS-based hybrid device for high-speed UV light detection and ReRAM applications”, *Journal of Materials Science: Materials in Electronics*, vol. 33, pp. 2090-2100, 2022
  26. Shahnaz Kossar, **R Amiruddin**, Asif Rasool, MC Santhosh Kumar, Nagamalleswari Katragadda, Pranab Mandal, Nafis Ahmed, “Study on ferroelectric polarization induced resistive switching characteristics of neodymium-doped bismuth ferrite thin films for random access memory applications”, *Current Applied Physics*, 39, pp. 221-229, 2022.
  27. Ro Mu Jauhar, A Raja, R Rajkumar, K Ramachandran, V Viswanathan, K Saravanan, **Paavai Era**, V Malarvizhi, G Anbalagan, Muthu Senthil Pandian, P Ramasamy, “Thermoelectric transport properties in ternary chalcogenide (CuBiSe<sub>2</sub>) crystal grown by Bridgman-Stockbarger method for thermo-electric applications”, *Journal of Crystal Growth*, vol. 578, pp. 126427, 2022.

➤ **Books / Book Chapters**

1. **M Basheer Ahamed** Aqib Muzaffar, Kalim Deshmukh “Chapter 20 - MXene-based Multifunctional Polymer Composites for Electromagnetic Interference Shielding Applications” *Mxenes and their Composites Synthesis, Properties and Potential Applications Micro and Nano Technologies* pp. 649-686, 2022. (Elsevier Publisher) (DOI: 10.1016/B978-0-12-823361-0.00006-X)
2. SK Khadheer Pasha Kalim Deshmukh, Aqib Muzaffar, Tomáš Kovářík, **M Basheer Ahamed**, “Introduction to 2D MXenes: Fundamental Aspects, MAX Phases and MXene Derivatives, Current Challenges, and Future Prospects” *Mxenes and their Composites Synthesis, Properties and Potential Applications Micro and Nano Technologies* pp. 1-47, 2022. (Elsevier Publisher) (DOI: 10.1016/B978-0-12-823361-0.00009-5)
3. P Rani, K Deshmukh, **M Basheer Ahamed** “Electrical Properties of Synthetic Fiber/Epoxy Composites” *Handbook of Epoxy/Fiber Composites*, pp. 1-30, 2022. (Springer Publisher) (DOI: 10.1007/978-981-15-8141-0\_5-1)
4. KD Priyanka Rani, **M Basheer Ahamed** “Carbon Nanotubes Embedded in Polymer Nanofibers by Electrospinning” *Handbook of Carbon Nanotubes*, pp. 1-35 2022. (Springer Publisher) (DOI: 10.1007/978-3-319-70614-6\_12-1)
5. GVS Subbaroy Sarma, Murthy Chavali, Periasamy Palanisamy, **IB Shameem Banu** “Synthesis and Luminescent Applications of Rare-Earth-Doped Zinc Nanomaterials”, *Luminescence: Theory and Applications of Rare Earth Activated Phosphors*, pp.181, 2021 (Publisher: Walter de Gruyter GmbH & Co KG) (DOI: 10.1515/9783110676457)
6. NSM Nazri, MH Mamat, N Parimon, MF Malek, MK Yaakob, AB Suriani, A Mohamed, MK Ahmad, N Nayan, **IB Shameem Banu**, N Vasimalai, MY Ahmad, M Rusop, “Ionization Characteristic of Different Gases Inside Zinc Oxide Target During Sputtering Process Simulated Using SRIM Software”, *Lecture Notes in Mechanical Engineering, Enabling Industry 4.0 through Advances in Manufacturing and Materials*, pp. 385-394, 2022 (Springer Publisher) (DOI: 10.1007/978-981-19-2890-1\_37)

ii. **International Conference & National Conference (Presentations):**

1. A. Sutha and **IB Shameem Banu** presented a (ORAL) paper on “*Facile synthesis and dielectric study of Ca and Nb co-substituted bismuth ferrite*” and received the **Best paper award** in the International workshop on Emerging materials and

modelling for future technology (EMMFT-2022) organized by Center for Nanoscience and Technilogy, Anna University, Chennai-25 on 3<sup>rd</sup> September 2022.

2. Rayees Ahmad Khan and **G. V Vijayaraghavan** presented a paper (**oral**) on "Single step oleic acid assisted solution combustion method of Ni doped Limn204 nanostructures", XLV Indian Social Science Congress held at B.S Abdur Rahman Crescent Institute of Science and Technology, Chennai during 28th April 2022 and 1st March 2022.
3. M.Deepika, E. Mohan Ram, A. Sutha, **IB Shameem Banu** presented (**ORAL**) a paper on "*Synthesis and electrical characterization of high level Nb doping with Ca in Bismuth ferrite*" in the *International virtual symposium on advances in piezoelectrics*" organized by Center For Materials For Electronics Technology (C-MET), Ministry of Electronics & Information Technology, Government of India, Thrissur-680581, Kerala on 14<sup>th</sup> July 2022 and 15<sup>th</sup> July 2022.
4. N Ranjani, K R Yuvalakshmi, **IB Shameem Banu** presented a paper (**oral**) on "*Magnetocaloric effect of terbium manganate for magnetic refrigeration and energy storage*" in the National Conference on Functional Materials and its Application Aspects (NCFMAA-2022) organized by the Department of Physics Institute of Science and Humanities Saveetha School of Engineering SIMATS, Saveetha Instiotute of Science and Technology, Chennai-602 105 during 11-12 August 2022.
5. Rayees Ahmad Khan and **G.V Vijayaraghavan** presented a paper (**oral**) on "Single step oleic acid assisted solution of Bi doped Limn204 nanostructures" NBL-2021 convention, An international conference on nanotechnology for better livingorganized, by National Institute of Technology, Srinagar during 7<sup>th</sup> -11<sup>th</sup> September 2021.
6. **S Sathik Basha**, "Synthesis and Characterization of La<sup>3+</sup> substituted Yb<sub>2</sub>FeMnO<sub>6</sub>" International Conference on Challenges and Opportunities for Innovation in Normal Scenario held at KSR Institute for Engineering and Technology, Namakkal, Tamil Nadu, India on 3<sup>rd</sup> July, 2021.

**International Conference & National Conference (Participations):**

7. **G.V. Vijayaraghavan**, Lecture Series On Powder X-ray Diffraction Data Analysis Lecture series held between 14<sup>th</sup> April 2022 to 16<sup>th</sup> April 2022 at Ethiraj College, Chennai, Tamil Nadu.
8. **S Sathik Basha**, Lecture Series On Powder X-ray Diffraction Data Analysis Lecture series held between 14<sup>th</sup> April 2022 to 16<sup>th</sup> April 2022 at Ethiraj College, Chennai, Tamil Nadu.

9. **S Sathik Basha**, Lecture Series On Powder X-ray Diffraction Data Analysis Lecture series held on 7, August 2021 at Ethiraj College, Chennai, Tamil Nadu.
10. **S Sathik Basha**, “Webinar on Photovoltaic 360” held on 2<sup>nd</sup> August, 2021 to 6<sup>th</sup> August 2021 organized by Department of chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
11. **S Sathik Basha**, Webinar on “Porous and nano scale Materials for Gas Separation to Catalytic Applications” held on 24<sup>th</sup> September 2021 to 25<sup>th</sup> August 2021 organized by Department of chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
12. The workshop on a one day Awareness Meet on Materials Science with Ion Accelerator on 19<sup>th</sup> July 2022 organized by UGC-DAE CSR Kalpakkam Node, Indira Gandhi Centre for Atomic Research (IGKAR), Chennai, India.

**Students attended the event:** P. Varatha rajan, M.Deepika,E. Mohan Ram, N.Ranjani and K.R.Yuvalakshmi

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1.	Dr.M Basheer Ahamed	<p><b>Book name:</b> Mxenes and their Composites Synthesis</p> <p><b>Chapter name:</b> Chapter 20 - MXene-based multifunctional polymer composites for electromagnetic interference shielding applications pp. 649-686</p>	Rs. 25,000	300 USD	Elsevier Publisher, Netherlands Published 1st Edition - October 7, 2021	Available online <a href="https://www.elsevier.com/books/mxenes-and-their-composites/sadasivuni/978-0-12-823361-0">https://www.elsevier.com/books/mxenes-and-their-composites/sadasivuni/978-0-12-823361-0</a>

2.	Dr.M Basheer Ahamed	<b>Book name:</b> Mxenes and their Composites Synthesis <b>Chapter name:</b> Introduction to 2D MXenes: fundamental aspects, MAX phases and MXene derivatives, current challenges, and future prospects pp. 1-47	Rs. 25,000	300 USD	Elsevier Publisher, Netherlands Published 1st Edition - October 7, 2021	Available online <a href="https://www.elsevier.com/books/mxenes-and-their-composites/sadasivuni/978-0-12-823361-0">https://www.elsevier.com/books/mxenes-and-their-composites/sadasivuni/978-0-12-823361-0</a>
3.	Dr.M Basheer Ahamed	<b>Book name:</b> Handbook of Epoxy/Fiber Composites <b>Chapter name:</b> Electrical Properties of Synthetic Fiber/Epoxy Composites	Rs. 37,000	453 USD	Springer Publisher, Singapore.	Available online <a href="https://www.springerprofessional.de/en/electrical-properties-of-synthetic-fiber-epoxy-composites/23326722">https://www.springerprofessional.de/en/electrical-properties-of-synthetic-fiber-epoxy-composites/23326722</a>
4.	Dr.M Basheer Ahamed	<b>Title of the book:</b> Handbook of Carbon Nanotubes <b>Chapter name:</b> Carbon Nanotubes Embedded in Polymer Nanofibers by Electrospinning	Rs.77,000	943 USD	Springer Nature Publishers, Switzerland	Available online: <a href="https://link.springer.com/referencework/10.1007/978-3-030-91346-5#:~:text=This%20Handbook%20covers%20the%20fundamentals,worldwide%20experts%20in%20the%20field.">https://link.springer.com/referencework/10.1007/978-3-030-91346-5#:~:text=This%20Handbook%20covers%20the%20fundamentals,worldwide%20experts%20in%20the%20field.</a>
5.	Dr.IB Shameem Banu	<b>Book name:</b> Luminescence: Theory and Applications of Rare Earth Activated	Rs.11,500	141 USD	Walter de Gruyter GmbH & Co KG, Germany	Available Online <a href="https://www.amazon.in/Luminescence-Theory-Applications-Activated-">https://www.amazon.in/Luminescence-Theory-Applications-Activated-</a>

		Phosphors <b>Chapter name:</b> Synthesis and Luminescent Applications of Rare- Earth-Doped Zinc Nanomaterials				Phosphors/dp/3110676 419
6.	Dr.IB Shameem Banu	<b>Book name:</b> Lecture Notes in Mechanical Engineering, Enabling Industry 4.0 through Advances in Manufacturing and Materials  <b>Chapter name:</b> Ionization Characteristic of Different Gases Inside Zinc Oxide Target During Sputtering Process Simulated Using SRIM Software	Rs. 19,800	243 USD	Springer, Singapore.	Available online <a href="https://link.springer.com/book/10.1007/978-981-19-2890-1">https://link.springer.com/book/10.1007/978-981-19-2890-1</a>  <a href="https://www.springer.com/series/11236">https://www.springer.com/series/11236</a>

➤ **Details of Impact Factor of the Publication and H-Index of the department**

<b>H-index</b>	45
<b>No. of Publications in Scopus (as on date)</b>	391
<b>Total Publications (as on date)</b>	513
<b>No. of Publications in Scopus during July 2021 – June 2022</b>	31

<b>Total Citations (as on date)</b>	7094
<b>Highest impact factor</b>	16.799 <b>Journal name:</b> Renewable and Sustainable Energy Reviews
<b>Average impact factor</b>	2.830
<b>Average SNIP score</b>	0.729

➤ **Sponsored Research (Ongoing / Granted)**

S. No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr. R. Amiruddin	Crescent Seed Money (CSM) B. S. Abdur Rahman Crescent Institute of Science And Technology (BSACIST), Chennai	Fabrication of new generation multifunctional device for ultraviolet (UV) light detection and memory storage applications	25,000	25,000	NA	25,000	Ongoing



➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

Sl. No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs.
1.	Magnetic Stirrers with Hot Plate (8 nos.)	TALECO, Perungalathur, Chennai, India	2022	2022	36,000
2.	Spin coater	Vital, Chennai	2022	2022	1,55,000
3.	Hot air oven (2 nos.)	Vital, Chennai	2022	2022	42,000
4.	Ultrasonication Bath	Labman, India	2022	2022	19,800

➤ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1.	Dr. G. V. Vijayaraghavan Professor and Head	Research Incentive – 2020 and 2021	B. S. Abdur Rahman Crescent Institute of Science And Technology (BSACIST), Chennai	05.09.2021
2.	Dr. M. Basheer Ahamed Professor			
3.	Dr. I. B. Shameem Banu Professor			
4.	Dr. S. Sathik Basha Professor			
5.	Dr. M. Mohamed Sheik Sirajuddeen Assist Professor (Sel Grade)			
6.	Dr. R. Amiruddin			

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the Student & Programme	RRN	Name of the Course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1	Mr.G.Ajay	200572601001	A Brief Course on Superconductivity	4 weeks	75%	NA
2	Mr.Akshaya.J	200572601002	Nature and Properties of Materials	8 weeks	66%	NA
3	Ms. Deepika M	200572601003	Materials Science and Engineering	8 weeks	50%	NA
4	Ms. Iswariya G	200572601005	Biophotonics	12 weeks	69%	NA
5	Mr.Mohammad Abuthalha M	200572601012	Advanced Composites	12 weeks	40%	NA
6	Ms.Olipha D	200572601016	Advanced Composites	12 weeks	40%	NA
7	Ms.Ranjani N.	200572601021	Materials Science and Engineering	8 weeks	51%	NA
8	Mr.Selvendran.B	200572601024	Biophotonics	12 weeks	50%	NA
9	Ms.R. Suganya	200572601026	Nature and Properties of Materials	8 weeks	66%	NA
10	Mr.Venkatesan .A	200572601031	Nature and Properties of Materials	8 weeks	54%	NA
11	Mr. Vignesh J	200572601032	Biophotonics	12 weeks	69%	NA
12	Mr. Yoganandhan. J	200572601034	Nature and Properties of Materials	8 weeks	60%	NA
13	Ms. Yuvalakshmi K R	200572601036	Materials Science and Engineering	8 weeks	49%	NA

14	Ms. D.Amridha	210571601002	Physics of Renewable Energy Systems	12 weeks	48%	NA
15	Mr. Arul Britto	210571601004	Physics of Renewable Energy Systems	12 weeks	54%	NA
16	Mr. Dhanush.S	210571601006	Physics of Renewable Energy Systems	12 weeks	62%	NA
17	Ms. Justine Naveela .A	210571601007	Physics of Renewable Energy Systems	12 weeks	51%	NA
18	Mr. Rajesh G	210571601010	Physics of Renewable Energy Systems	12 weeks	60%	NA
19	Ms. Ramyashri S	210571601011	Solar photovoltaics, fundamentals, technology and application	12 weeks	72%	NA

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1.	<b>Dr. Chung-Li Dong</b> Professor The Research Center for X-ray Science Department of Physics Tamkang University New Taipei City, Taiwan	<b>Faculty name:</b> Prof. G. V. Vijayaraghavan <b>Type:</b> Collaborative research Publications	2021-2022	Ongoing		<b>Collaborative research Publications</b> <ul style="list-style-type: none"> <li>Ionics, 28, pages 4805–4815 DOI: 10.1007/s11581-022-04648-7, 2022.</li> <li>Materials Technology, Vol 37(13) 2415-2424, DOI: 10.1080/10667857.2022.2038528, 2022.</li> </ul>
2.	<b>Dr. S.K. Khadheer Pasha,</b> Assistant Professor, Department of Physics,	<b>Faculty name:</b> Prof. M. Basheer Ahmed	2021-2022	Ongoing		<b>Collaborative Publications (Book Chapter)</b> <ul style="list-style-type: none"> <li>Introduction to 2D MXenes: fundamental aspects, MAX phases and MXene derivatives, current</li> </ul>

	VIT-AP University, Amaravati, India	<b>Type:</b> Collaborative research Publications				challenges, and future prospects” <i>Mxenes and their Composites Synthesis, Properties and Potential Applications Micro and Nano Technologies</i> pp. 1-47, 2022. (Elsevier Publisher) (DOI: 10.1016/B978-0-12-823361-0.00009- 5)
2.	<b>Dr. M. H. Mamat</b> Professor (Associate) at Universiti Teknologi MARA (UiTM), Malaysia.	<b>Faculty name:</b> Prof. I.B. Shameem Banu  <b>Type:</b> Collaborative research Publications	2021-2022	Ongoing		<b>Collaborative research Publications</b> <ul style="list-style-type: none"> <li>Lecture Notes in Mechanical Engineering, Enabling Industry 4.0 through Advances in Manufacturing and Materials, pp. 385-394, 2022 (Springer Publisher) (DOI: 10.1007/978-981-19-2890-1_37)</li> <li>Jurnal Teknologi, vol. 93, 19-26, 2021.</li> <li>Results in Optics, vol. 8, pp. 100249, 2022.</li> <li>Emergent Materials, vol.5, 529-536, 2022.</li> <li>Microscopy Research and Technique, vol. 85, pp. 3140– 3152, 2022. (DOI: 10.1002/jemt.24172).</li> </ul>
3.	<b>Dr. M. C. Santhosh Kumar</b> Associate Professor, National Institute of Technology (NIT), Tiruchirappalli, Tamil Nadu	<b>Faculty name:</b> Dr. R. Amiruddin  <b>Type:</b> Collaborative research Publications	2021-2022	Ongoing		<b>Collaborative research Publications</b> <ul style="list-style-type: none"> <li>Journal of Materials Science: Materials in Electronics, vol. 33, pp. 2090-2100, 2022</li> <li>Current Applied Physics, 39, pp. 221-229, 2022</li> </ul>

## DEPARTMENT OF CHEMISTRY

### ➤ Value Added Programmes Offered

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Communication Skills	September 2021-December 2021	2 Hrs. per week	Department of English	40	-	-
2	Lab Safety and First Aid	September 2021-December 2021	2 Hrs. per week	School of pharmacy	40	-	-

**Important Remarks:** Students were given individual attention in both the value added programme. Examination was conducted at the end of the semester to assess the understanding level of the students.

### ➤ Interdisciplinary Programmes Conducted

S.No	Name of Programme	Other departments involved	Details of Participants			Programme Outcome
			Students	Faculty	Others	
1	National Science Day on "The Role of Science and Technology in Critical Defence Applications " by Dr.S.Krishnakumar, Ministry of Defence, DRDO, Avadi	Department of Physics	90	20	-	M.Sc. students realized the career opportunity in DRDO labs

➤ **Details of Field visits/Industrial visits organized by the department**

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1.	M.Sc	II	A	34	Dr. M. Asha Jhonsi & Dr. Swapan Kumar Das	Eugia, Aurobindo and Gland Pharmaceutical companies, Hyderabad	11.05.2022 - 14.05.2022	It throws light over the practical challenges that organizations face in the business world and also aids by creating awareness about the career opportunities available.	-

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the Programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of the Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Study Abroad-Road Map	Webinar	03.07.2021 3pm - 5pm	Google meet meet.google.com/kgq-iwcv- mbc		15	80	-	-
2	Photovoltaics in 360° (Design to	Webinar series	02.08.2021	Google meet	Dr. P. Gopinath, Assistant Professor	15	100	-	-

	Implementation)				Department of Chemistry SRM Institute Kattankulathur Chennai on Molecular Design and Synthesis of Photovoltaic Materials				
3			03.08.2021		Dr.A. Kathiravan SERB Research Scientist VelTech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, Chennai Fabrication and Structure-Property Relationships of Dye Sensitized TiO2 Electrodes	15	100	-	-
			04.08.2021		Dr. M. Jaccob Assistant Professor Department of Chemistry Loyola College Chennai Design of Organic Dyes for Optoelectronic Devices: Insights	15	100	-	-

					from DFT calculations.				
			05.08.2021		Dr. R. Kothandaraman, FRSc Associate Professor Department of Chemistry IITM, Chennai Understanding the Role of CDCA in Tandem with pi-spacer in DSSC	15	100	-	-
			06.08.2021		Dr. M. Asha Jhonsi  Assistant Professor (Sr. Gr.) Department of Chemistry BSACIST Chennai Boosting the Photoelectric Conversion Efficiency of Photovoltaic Devices: Role of Carbonaceous Nanomaterials	15	100	-	-
3	Analytical Spectrometry Expertise - Atomic Optical" by	webinar	07.08.2021 during 5.30 7.00 pm.		Ben Johns, Director   CTO Spectrum America, USA	15	90	-	-



4	Insights of Synthetic and Patent Perspectives in Organic Chemistry	webinar	24.08.2021		Dr. A. Sivaiah Assistant Professor Department of Chemistry SVNIT Surat, Gujarat. Glycoconjugates as a Reactive Probe for Detection and Image of (Seleno)cysteine in Biological System	15	90	-	-
5	Insights of Synthetic and Patent Perspectives in Organic Chemistry	webinar	24.08.2021		Dr. T. Pavan Kumar Senior Scientist CSIR-Institute of Minerals and Materials Technology (IMMT) Sachivalaya Marg, Bhubaneswar An Overview of Intellectual Property- Academic and Research Perspective	15	80	-	-
6	Porous and Nanoscale Materials for Gas Separation to Catalytic Applications	webinar	24.09.2021-25.09.2021		Nanomaterials in the Catalysis of Oxidation Reactions by Prof. Bernd Smarsly, Germany	15	90	-	-
7			25.09.2021		Soluble Polymers of Intrinsic Microporosi	-	-	-	-

					ty for Emerging Environmental Applications by Dr. Xinbo Wang, China				
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➤ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of the Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1	National Science Day on "The Role of Science and Technology in Critical Defence Applications " by Dr.S.Krishnakumar, Ministry of Defence, DRDO, Avadi.	28.02.2022	9200/-	Students interacted with the speaker and requested for internship at DRDO
2	Alkemia distinguished lecture series on "Transforming Drug Discovery with Advanced Computational Modelling" by Dr R Raghu, Vice President. Schrodinger Inc., Bangalore.	21.03.2022 2.00 PM to 4.10 PM	Nil	Faculty ,scholars and Students interacted with the speaker and requested for training in the soft ware
3	Alkemia distinguished lecture series on Novel Materials Design from the Molecular Perspective: A computational Approach" by Dr Sudharsan P, Principal Scientist, Schrodinger Inc., Bangalore.	21.03.2022 2.00 PM to 4.10 PM	Nil	Faculty ,scholars and Students interacted with the speaker and requested for training in the soft ware

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1.	Dr. M. Asha Jhonsi	16th DAE-BRNS Biennial Trombay Symposium on Radiation & Photochemistry (TSRP-2022)	International Symposium	12.01.2022 to 15.01.2022	BRAC, Mumbai	NIL
2.	Dr. M. Asha Jhonsi	Breast Cancer Awareness Program	Awareness Day workshop	04.02.2022	India turns Pink & BSACIST	NIL
3.	Dr. Vajjiravel	Tamil Nadu State Government Sponsored Two Weeks FDP on Exploring the Fabrication Techniques”, Characterization and Applications of Functional Materials -	FDP	13.06.2022 to 26.06.2022	Faculty Development Training Centre,BSACIST	-
4.	Dr. Vajjiravel	2nd Indian Summer School On Crystal Growth (ISSCG-2022) in association with Indian Association for Crystal Growth (IACG), Organized by		16.05.2022 to 21.05.2022	SSN Research Centre, Sri Sivasubramaniya Nadar College of Engineering, Chennai-603110, Tamil Nadu, India	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021- June 2022)**

	National Conference		International Conference		National Journal		International Journal		Total
	With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
<b>July 2021-December 2021</b>	-	-	-	-	-	-	10	-	10
<b>January 2022- June 2022</b>	-	-	-	-	-	-	15	-	15

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

- a) **SCI/Scopus Indexed Journal**
- b) **Other journals**

1. Suba Kannaiyan, D. Easwaramoorthi, Karthik Kannan, Andal Gopal, R. Lakshmipathy, Khadijah Mohammedsaleh Katubi, Nayef S. Almuaikele, Ivan Leandro Rodriguez Rico Pisonia, "Alba Assisted Synthesis of Nanosilver for Wound Healing Activity" *Bioinorganic Chemistry and Applications*, Volume 2022 | Article ID 1775198 | <https://doi.org/10.1155/2022/1775198>
2. S. Siva Shankar Prasad and D. Easwaramoorthy, Acute Toxicity Evaluation of Herbicide on Fish (*Poecilia Reticulata*), *Int. J. Adv. Innov. Res*, 9,152-157
3. Rosina Begam, A. Shajahan, B Shefin and Vadivel Murugan, "Synthesis of novel Naphthalimide tethered 1,2,3-triazoles: in vitro biological evaluation and docking study of anti-inflammatory inhibitors. - *Journal of Molecular structure*, 1254 (2022) 132364
4. M. Maruthupandi, MR Jefry Stairish, S Sahila, N. Vasimalai, Ultrasensitive and selective detection of cadmium ions in hair, nail, cigarette and wastewater samples using disulfo-stilbenediamine capped silver nanoparticles, *Journal of Molecular Structure* 1269, 133798, 2022.

5. M Chandhru, R Logesh, S Kutti Rani, N Ahmed, N Vasimalai, Green synthesis of silver nanoparticles from plant latex and their antibacterial and photocatalytic studies, *Environmental Technology* 43 (20), 3064-3074, 2022
6. Sathya R, Ali M.D, Mehboob Nousheen M, Vasimalai, Thajuddin N, Jung-Wan Kim, An Investigation of Pepsin Hydrolysate of Short Antibacterial Peptides Derived from *Limnospira* Sp. *Applied Biochemistry and Biotechnology*, 1-14, 2022
7. M. Maruthupandi, P. Varatharajan, I.B. Shameem Banu, M.H. Mamat, N. Vasimalai, White light emitting diode and anti-counterfeiting applications of microwave assisted synthesized green fluorescent carbon dots derived from waste curry leaves, *Results in Optics*, 100249, 2022
8. J.S. Immaculate Mercy, M. Maruthupandi, M.H.B. Mamat, N. Vasimalai, Facile in-situ synthesis of biopolymer capped nano sized silver particles: smartphone aided paper-based selective detection of CYS and TC drugs in biological and drug samples, *Journal of Cluster Science* 33 (3), 1055-1067, 2022
9. S. Gokul Eswaran, P. Shahid Afridi, N. Vasimalai, Effective Multi Toxic Dyes Degradation Using Bio-Fabricated Silver Nanoparticles as a Green Catalyst, *Applied Biochemistry and Biotechnology*, 1-16, 2, 2022
10. M. Maruthupandi, M.H. Mamat, T. Stalin, N. Vasimalai, On–Off–On fluorescence sequential sensor for silver ions, thiamine and anti-counterfeiting application using mannitol derived carbon dots, *Nano-Structures & Nano-Objects* 30, 100868, 4, 2022
11. Winaki P Sohtun, Arunkumar Kathiravan, Mariadoss Asha Jhonsi, Md. Aashique, Soumen Bera, Marappan Velusamy, Synthesis, crystal structure, BSA binding and antibacterial studies of Ni(II) complexes derived from dithiocarbazate based ligands, *Inorganica Chimica Acta* 536 (2022) 120888
12. Marimuthu, E., Rathinam, B. & Murugesan, V. Facile and green route polymerization of N-vinyl pyrrolidone under ultrasound-aided dual-site phase transfer catalytic conditions. *Colloid Polym Sci* 300, 641–654 (2022). <https://doi.org/10.1007/s00396-022-04979-x>
13. R. Rengasamy, J. Paul Raj, K. Vijayalakshmi, N. Punitha, M. Kesavan, Dr. M. Vajjiravel, Dr. Jebamalai Elangovan, Tunable Synthesis of 1, 2, 3-Triazoles and Enamines through Deacylative Azide-Alkene Cycloaddition, *Eur. J. Org. Chem*, 2022, e202101470.

14. Sugirdha Sampath, Murugan Vadivelu, Abbasriyaludeen Abdul Raheem; Ravanan Indirajith, Kannabiran Parthasarathy, Kesavan Karthikeyan and Chandrasekar Praveen, Practical Co-Precipitation Approach for High Aspect Ratio Cupric Oxide Nanoparticles: A Sustainable Catalytic Platform for Huisgen and Fluorogenic Click Chemistry, Ind. Eng. Chem. Res. 2022, 61, 9552-9566. Impact Factor: 4.326.
15. 15 Murugan Vadivelu, Abbasriyaludeen Abdul Raheem, John Paul Raj, Jebamalai Elangovan, Kesavan Karthikeyan, and Chandrasekar Praveen, "Mechanochemical Access to Functional Clickates with Nitro-Retentive Selectivity via Organocatalyzed Oxidative Azide-Olefin Cycloaddition", Org. Lett. 2022, 24, 15, 2798–2803. Impact Factor: 6.072.

#### International Conference & National Conference:

##### d) Other Conferences

1. Dr.D. Easwaramoorthy presented a paper in the 2nd international conference on global issues in multidisciplinary academic research held at Thailand on 5 th June 2022 through online mode
2. S. Pandiarajan, N. Hajarabeevi, Rafik Rajjak Shaikh, D.MubarakAli and R.Sathya presented a paper entitled, " Antimicrobial activity of novel schiff bases derived from 2- butyl-4-chloro imidazole" in the 45TH INDIAN SOCIAL SCIENCE CONGRESS (ISSC)

##### ➤ Sponsored Research (Ongoing / Granted)

S.No.	Principal And Co-Principal Investigators	Funding Agencies	Project Title	Amount Details				Status
				Sanctioned	Available in the beginning of FY	Spent during FY 2021-2022	Balance available	
1.	Dr. S. Bhagavathy	DST-SERB-POWER	"Synthesis of C-aryl Septanosides as Analogues of C-aryl Glycosides"	Rs.23.5 Lakhs	13.5 Lakhs	-	13.5 Lakhs	Ongoing

2.	Dr. K. Karthikeyan	TNSCST	Azole Space red dipolar chromophores for non-linear optics,	Rs. 25,000	-	-	-	-
3.	Dr. M. Asha Jhonsi	SERB-TARE	Light induced process of Hierarchical electron cascade system, Materials and Devices for Solar energy conversion	Rs 18,30,000	Rs 2,50,000	Rs 2,50,000	Nil	Completed
4.	Dr. M. Asha Jhonsi	TNSCST-SPS	Carbonaceous nanomaterial derived from Tridax procumbens for Bandage tape manufacturing with high Wound Healing Efficiency	Rs. 7,500	Rs. 7,500	Rs. 7,500	Nil	

➤ **Details of Major Equipment Purchased (Financial year 2021-22)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Date of installation	Amount in Rs
1.	Spectrofluorimeter Fluoromax	Horiba scientific japan	February 2022	July 2022	31 lakhs

➤ **International Visits by Faculty / Students**

S.No	Name of the Faculty/Student	Name of the Institution/Industry	Country	Purpose	Period	Outcome
1	Dr Rafik Rajjak Shaikh	King Abdullah University of Science and Technology (KAUST)	Saudi Arabia	Tutor in Chemistry for Saudi Research Science Institute (SRSI)-2022	July-August 2022	1. Discussion with KAUST/SRSI personnel for possible MoU/academic exchange/research collaboration 2. Given one Seminar in “Workshop on analytical techniques” during SRSI-2022 3. Branding of our University

➤ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr Rafik Rajjak Shaikh	SRSI Tutor of Chemistry	King Abdullah University of Science and Technology (KAUST)	July-August 2022
2	Dr. M. Asha Jhonsi	Best Faculty Female Award	BSACIST	September, 2021
3	Dr. M. Asha Jhonsi	Resource Person for the Special Coaching Program for School Students	Central Library, SPCS and SSSH	March, 2022



4	Dr. M. Asha Jhonsi	Outstanding contribution towards the growth of Alumni	BSA Crescent Alumni Association	April ,2022
5	Dr. M. Asha Jhonsi	Judge for cultural event, Kaavalkalai Sangaman	Tamil Nadu Police Academy, Vandalur	March, 2022
6	Dr. M. Asha Jhonsi	Judge for cultural events for school students	Crescent School, Vandalur	April, 2022

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Archana Kallat Sukumaran	190522601004	Global Gold Excellence Scholarship	University of Salford	31.01.2022 to 31.05.2023

➤ **Details of credit transfer through NPTEL/Swayam/MOOC courses**

S.No	Name of the Student & Programme	RRN	Name of the Course & Credit	Duration	Grade Obtained	Month & Year of credit transfer
1	Reeshma Begam A, completed the above course Elite + silver with score of 86% and topper in Top 5%	210522601031	Co-ordination Chemistry & 3 credits	12 week	S	May, 2022
2	Amirtha N	210522601003	Co-ordination Chemistry & 3 credits	12 week	D	May, 2022
3	Arthi E,	210522601007	Co-ordination Chemistry & 3 credits	12 week	C	May, 2022

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of commencement	Status		Outcome
				Ongoing	Completed	
1	Dr.N.Hajarabeevi	SRM Institute of Science and Technology	Research Colloboration	September 2021	Ongoing	joint publication in progress
2	Dr.N.Hajarabeevi	Anna University	Research Colloboration	September 2022	Ongoing	joint publication in progress
3	Dr. S. Bhagavathy	Indian Institute of Technology Madras	Research Colloboration	January, 2012	Ongoing	Joint publications
4	Dr. M. Asha Jhonsi	Melbourne University, Australia	Research Colloboration	June, 2018	ongoing	Joint Publications and short term visit in process
5	Dr. M. Asha Jhonsi	University of Gdansk, Poland	Research Colloboration	September 2021	Ongoing	Joint Publication
6	Dr. M. Asha Jhonsi	North Eastern Hill University, Shillong	Research Colloboration	January, 2022	Ongoing	Joint Publication
7	Dr. M. Asha Jhonsi	Vel Tech Rangarajan Dr Sagunthala R & D Institute of Science and Technology, Avadi, Chennai	Research Colloboration	June, 2013	Ongoing	Joint Publications
8	Dr. M. Asha Jhonsi	Indian Institute of Technology Madras	Research Colloboration	June, 2014	Ongoing	Funded projects and Joint Publications in process
9	Dr. M. Asha Jhonsi	Vinayaga Mission Univeristy, salem	Research Colloboration	September, 2021	Ongoing	Conference National Advisory committee and reviewer related process
10	Dr Rafik Rajjak Shaikh	Indian Institute of Technology Madras	Research Colloboration	Aug, 2021	ongoing	joint publication in progress
11	Dr Rafik Rajjak Shaikh	King Abdullah University of Science and Technology	Academic Visit or online participation	July, 2019	Each year visit or online participation (ongoing)	Academic exchange/visits

12	Dr. N. Vasimalai	Indian Institute of Technology Madras	Research Collaboration	January, 2022	ongoing	joint publication in progress
13	Dr. N. Vasimalai	International Iberian Nanotechnology Laboratory, Portugal	Research Collaboration	December, 2018	ongoing	joint publication in progress
14	Dr. N. Vasimalai	Universiti Teknologi MARA, Malaysia	Research Collaboration	November, 2019	ongoing	joint publication in progress
15	Dr K. Shakeela	Indian Institute of Technology Madras	Research Collaboration	August, 2021	ongoing	joint publication in progress

➤ **Professional Society Activities**

S.No	Name of the Society	Type of activity	Details of Participants			Details of Guest Speaker	Outcome	Remarks
			Faculty	Student	Others			
1	Alkemia	Awareness Programme on Careers in Chemistry 06.05.2022	-	B.Sc. Chemistry III Year	-	Dr.B.Muthuraman, Head Incharge, Department of Energy, University of Madras	M.Sc. Chemistry Admission	-

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Awareness Careers in Chemistry Dr.B.Muthuraman, Head Incharge, Department of Energy, University of Madras	15	100	10	B.Sc Third year students	06.05.2022	Showcasing our facility to the undergraduate

							students of tamil nadu leading to admission of our M.Sc Chemistry programme. Our students also got the details of career opportunity in various fields
2	A National Level Flash Presentation (E-poster ) competition for third year B.Sc Chemistry students .				B.Sc Third year students		
4	Career Opportunities in Polymer Engineering” on 15th September 2021	20	60		+2 students of Tamil Nadu	15.09.2021	Showcasing our facility to the +2 students of tamil nadu leading to admission of our B.Tech polymer programme.

➤ **Important Visitors**

S.No	Name of the visitor	Affiliation Details	Details of visit (Date/duration & purpose)	Outcome
1	<b>Dr R Raghu</b> , Vice President Schrodinger Inc, Bangalore	Schrodinger Inc, Bangalore	21.03.2022, Alkemia Invited lecture and Information about Schrodinger software	Lecture was benefited by PG students, Research Scholar and faculty members. Step towards the purchase of software.

2	<b>Dr Sudharsan Pandian,</b> Principal Scientist Schrodinger Inc, Bangalore	Schrodinger Inc, Bangalore	21.03.2022, Alkemia Invited lecture and Information about Schrodinger software	Lecture was benefited by PG students, Research Scholar and faculty members. Step towards the purchase of software.
3	<b>Dr B Muthuraaman,</b> Assistant Professor & Head, Dept of Energy, University of Madras Chennai-60025	Department of Energy, University of Madras Chennai-600 025	06.05.2022, Awareness Programme on Careers in Chemistry	Attract and Motivate the final year B.Sc Chemistry students towards the PG admission.



## SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

- DEPARTMENT OF ENGLISH
- DEPARTMENT OF COMMERCE

## DEPARTMENT OF ENGLISH

### ➤ Value Added Programmes Offered

S.No	Name of the Programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Copy Editing and Proofreading	28.3.2022	30 hrs	Vijay Nicole	38	-	-

### ➤ Details of Field visits/Industrial visits organised by the department

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	Industrial Visit	II,IV	-	18	Dr.H.Sofia, Dr.Sahidul, Mrs.N.Suguna	The Hindu	29.06.2022	-	No
2	Field visit	II,IV,VI	-	38	All faculty of English Department	Mahabalipuram	28.05.2022	-	No
3	Educational Tour	VI	-	18	Dr.H. Sofia, Dr.H. Ashrafunnisa Dr.Sweta Ravindran	Kanthaloor, Kerala.	18.06.2022 - 21.06.2022	-	No

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the programme	Type of Programme	Duration From - To	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	“Stardom Beyond Boundaries with Digital”	Webinar	12.10.2021	-	Mr.T.SeshuKarthick, Director& Chief Operating Officer, CANIT Solutions Pvt.Ltd.	All faculty		-	-
2.	“Translating Language into Career”	Webinar	7.10.2021	-	Dr.KalaivaniKarunakaran, Freelance Editor, Translator and Creative writer	All faculty		-	-
3	“English Studies Now: Single Platform, Diverse Opportunities”	Webinar	30.9.2021	-	Dr.SupalaPandiarajan, Assistant Professor of English, University of Madras	All faculty	Semester III & V	-	-
4	“Writing for Digital Media”	Webinar	28.9.2021	-	Mr.CharlesDurai, Assistant Professor (English Language & Soft skills), Kaushal Kendra, Loyola College (Autonomous)	All faculty		-	-



➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

<b>S. No</b>	<b>Name of the faculty</b>	<b>Name of the programme</b>	<b>Type of Programme</b>	<b>Duration From - To</b>	<b>Organizing Agency</b>	<b>Details of Sponsorship amount received from BSACIST/Others (Rs)</b>
1	Dr.P.Rathna	Annual TL Meeting	Workshop	18.12.2021& 19.12.2021	Virtual	NIL
2	Ms.A. Catherine Anna Pushpam	Research Methodologies of Contemporary Times: Exploring English Language, Literature and Teaching	International conference	05.02.2022	SRR & CVR Government Degree College	Nil
		Supporting LGBTQI+ Communities on Campus	Webinar	08.02.2022	U.S. Consulate General, Mumbai and the University of Notre Dame	Nil
		45 <sup>th</sup> Indian Social Science Congress	National Conference	28.03.2022 to 01.04.2022	Indian Social Science Academy & BSACIST	Nil
		TOEFL workshop	Workshop	29.04.2022	ETS India Resource Centre	Nil
3	Mrs. N. Suguna	“Writing Impactful Research” - “Elsevier Tools Facilitating Research Writing”	Workshop	15.07.2021	Sabaragamuwa University of Sri Lanka in association with Emerald Publishing and Gulf Medical University.	Nil

4	Dr. S. Sakthivel	TOEFL workshop	Workshop	29.04.2022	ETS India Resource Centre	Nil
		“Literary Theory”	FDP	05.01.2022 – 11.01.2022	Department of English, PSGR Krishnammal College for Women, Coimbatore	Nil
		“New Trends in Teaching English for Engineering Students”	FDP	10.12.2021	Department of English, SRM IST	Nil
		“The Gender Perspectives in Modern Literature and Emotional Intelligence- An Overview”	FDP	27.10.2021	WELLTTA (World English Language Learners, Teachers and Trainers Association).	Nil
		“Stylistics & Professional Writing of Journal Papers”	FDP	26.10.2021	WELLTTA	Nil
		Language, Literature, Linguistics and Culture VIII	Virtual Seminar	24.10.2021	WELLTTA	Nil
		Language, Literature, Linguistics and Culture VIII	Virtual Seminar	17.10.2021	WELLTTA	Nil
		“Brace Up for a Shape Up”	Webinar	11.10.2021	WELLTTA	Nil
		“Translating Language into Career”	Webinar	07.10.2021	WELLTTA	Nil

		Language, Literature, Linguistics and Culture V	Virtual Seminar	03.10.2021.	WELLTTA	Nil
		English Studies Now: Single Platform and Diverse Opportunities”	Webinar	30.09.2021	The Department of English, BSACIST	Nil
5	Dr A. Sulochana	TOEFL workshop	Workshop	29.04.2022	ETS India Resource Centre	Nil
		Major Literary Theories	FDP	26.07.2022 - 2.8.2022	Krishna University, A.P., India.	Nil
6	Dr. Uma Maheswari. V	TOEFL workshop	Workshop	29.04.2022	ETS India Resource Centre	Nil
		Linguaskill Business	Teacher Development Programme	30.04.2022	Cambridge University Press & Assessment	Nil
7	Mr T. Sugadev	Creating Podcasts for your Students (ELTAI Webinar 96)	Webinar	24.04.2022	English Language Teachers Association of India (ELTAI)	Nil
		Teaching the TOEFL Test Online	Webinar	29.04.2022	ETS India Resource Centre	Nil
		Linguaskill Business	Teacher Development Programme	30.04.2022	Cambridge University Press & Assessment	Nil
		Leadership	FDP	01.06.2022	Crescent School of Business	Nil
8	Dr. S. Poornima	TOEFL workshop	Workshop	29.04.2022	ETS India Resource Centre	NIL

- Dr. H. Sofia presented a paper titled, “Improving Student Participation and Performance in the classroom” on 29th March 2022 during the 45th ISSC jointly organized by ISSA and BSACIST during 28th March - 1st April 2022.
- Dr. P. Rathna presented a paper titled “Dominance Hierarchy in Perumal Murugan’s Poonachi or The Story of a Black Goat: An Ecocritical Study” on 29th March 2022 during the 45th ISSC jointly organized by ISSA and BSACIST during 28th March - 1st April 2022.
- Ms. A. Catherine Anna Pushpam presented a paper titled “Cultural Interference in the Life of Mehrunissa: An Analysis of the Historical Novels *Taj Trilogy*” on 29th March 2022 during the 45th ISSC jointly organized by ISSA and BSACIST during 28th March - 1st April 2022.
- Mrs. N. Suguna presented a paper in - “Evolving speaking skills using Task -based activities and Technology – A detailed study on improvisation for a career among Engineering students in Tamil Nadu, India, in Research Committee at XLV Indian Social Science Congress held from March 28 th – April 01 st 2022 at B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai.
- Dr. A. Sulochana presented a paper titled “‘There’s Really no Such thing as the Voiceless’: A Critical Study on Arundhati Roy and Rohinton Mistry’s Novel” on 29th March 2022 during the 45th ISSC jointly organized by ISSA and BSACIST held from 28th March to 1st April 2022.

➤ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

**a) SCI/Scopus Indexed Journal**

1. R.K. Sangeetha, Dr.P. Rathna. “Behind Our Sip of Tea: An Ecofeminist Study of Environmental Refugees in Kokilam Mirage”  
*3L: The Southeast Asian Journal of English Language Studies* Volume 27(3), September 2021.
2. Venkateswaru and Vijayakumar (2022) “Neurolinguistic approach to Fostering Writing Skills: An intervention

Research” Vol-20 Issue-6 Scopus 8261-72, June 2022

**b) Other journals**

1. A.Dr. H. Sofia “Learning English in a Mobile Age” in Kalyan Bharati, Journal of Indian History and Culture, Vol.XXIV No (08) 2021, ISSN No.0976-0822(UGC-CARE List Group I)
2. Catherine Anna Pushpam and Dr. Md. Sahidul Islam, “The Story of Nur Jahan in Feminist Perspective: A Comparative Analysis of Historical Novels”, *NIU International Journal of Human Rights*, Volume 8, Special Issue 2, Sept. 2021. pp. 15-19. ISSN: 2394 – 0298
3. Mrs. N. Suguna and Dr.H. Sofia published a paper on the topic “Applying Theories and Approaches into classroom practice- An overview in the context of English Language Teaching” Kalyan Bharathi 2021 – ISSN No. 0976-0822 (**UGC-CARE List Group I**) Volume XXIV No (08) page (238 – 243)
4. Ms. Nihal Zainab and Dr.H. Sofia, “Representation of Native American Feminism in Sara winemuca’s Life Among the Piutes: Their wrongs and claims, KalyanBharati, Journal of Indian History and Culture”, Vol.XXIV No. (08) 2021. ISSN No.0976-0822(UGC-CARE List Group I)
5. Mrs.M. Rabia Begum and Dr.H. Sofia Unidentified Anguish and Trauma of Adolescents –Astudy on Scott Westerfields’ Ugliers, KalyanBharati, Journal of Indian History and Culture, Vol.XXIV No. (08) 2021. ISSN No.0976-0822(UGC-CARE List Group I)
6. Venkateswaru and Vijayakumar.S (2022) ”Impact of resilience theory on student learning outcomes in an ESL Classroom: An Intervention study –Neuro Quantalogy”.Vol-20 Issue-6 Scopus 8273-84, June 2022
7. Sajidabanu and Vijayakumar.S (2022) Developing Speaking Skills at Tertiary level. Implicit versus Explicit approaches. *International Journal of Early Childhood Special Education (INT-JECSE)* DOI:10.9756/INT-JECSE/V14I2.504 ISSN:1308-5581 Vol 14, Issue 02, 2022 (WoS)
8. Sajidabanu and Vijayakumar.S (2022) The Role of Metacognition in L 2 Learning. *Special usisUgdymas / special*

education 2021 (43)

9. Dr.P. Tamilarasan and Dr.S.Vijayakumar (2021) Enhancing Verbal Discourse through CLIL Pedagogy in an Engineering Classroom.NIU International Journal of Human Rights ISSN: 2394 – 0298 Volume 8, Special Issue 2,2021

10. Sajidabanu and Vijayakumar.S (2022) "The Role of Women in English Literature from 20th century to the Modern Age of 21st century. ANVESAK, ISSN: 0378 – 4568.UGC Care Group 1 Journal

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1	Dr. A. Sulochana	Gender & Socio-Culture A Study	150	-	Dr. Shubhra Jamwal& Dr. R. S. Regin Silvest, India, 2022.	-

➤ **Patents (Obtained / Applied)**

S. No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr.S. Vijaya Kumar	A System and Method for Converting, Processing and Delivering of Text Input into Audio Output. Application ID 202241007576.	-	Publication Number 08/2022	-	NIL

Patent link

<https://www.quickcompany.in/patents/a-system-and-method-for-converting-processing-and-delivering-of-text-input-into-audio-output>

➤ **Developmental Activities of the department (for branding/knowledge dissemination etc.)**

S.No	Details of development activity	Duration	Details of Faculty and student participation	Objective	Outcome
1	Shakespeare's Day	1 day	All faculty and students of B. A English (Hons)	Make the students to know about literature and the characters of Shakespeare.	Students from other Colleges participated in various events.

➤ **MoUs Signed**

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	Cambridge Assessment English(renewed)	MOU	05	January	2022	B.Tech students will take the prelims examination	Active

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	Inauguration of Crescent Literarian Hub	All English Faculty	Sem 2,4 and 6 of B.A English (Hons)	-	Students of B.A English (Hons) and	23.12.2021	students participated in the

					students from other colleges		Shakespeare's Day competitions
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➤ **Any other academic relevant information**

- Dr.P. Rathna was the Chairperson for the theme Communication and Journalism during the 45th ISSC held in BSA Crescent during 28.03.2022 - 1.4.2022
- Dr.P. Rathna Organised the training programme for new Speaking Examiners for BEC Preliminary Exam, on 7.3.2022.
- Dr.P. Rathna was the Resource person and delivered a talk on “Literary Theories in Praxis: Approached to feminism” during the one week FDP titled Applying Literary Theories in Research” organised by Alpha Universal Researchers’ Academy in collaboration with New College on 16.12.2021.
- Dr.P. Rathna, as a resource person, gave a talk on the topic, “Translation Studies: Challenges and Opportunities” in a webinar organised by WELLTTA International-World English Language Learners, Teachers and Trainers Association, on 3.10.2021.
- Dr.P. Rathna gave a special lecture on “Indian Knowledge system, Languages, Arts and Culture”, on 5.08.2021, during the theme based webinar series conducted as part of the one year of NEP organised by BSA Crescent Institute of Science and Technology.
- Dr.H. Sofia delivered an online talk on “Equity and Inclusion” on 30.7.2021 in the Eight theme based webinars celebrating one year of Transformative Reforms under New Education Policy 2020 (NEP) organized by BSACIST
- Ms. A. Catherine Anna Pushpam was a resource person and delivered a session on “Honing Your Writing Skills: Some Practical Tips” organised by PG & Research Department of English, Government Arts College for Women (Autonomous), Pudukkottai on 09.07.2021.
- Ms. A. Catherine Anna Pushpam was a resource person for an e-workshop on “Enhancement of Communication Skills in English: Strategies and Practices” organised by The New College on 21.09.2021.



- Ms. A. Catherine Anna Pushpam was a resource person and delivered a session on “Communication Skills” for the Orientation Programme organised by BSACIST on 26.09.2021.
- Dr. S. Sakthivel, was a Resource Person for “Positive Thinking” at AMET Deemed to be University, Chennai in July 2021.
- Mr.T. Sugadev delivered a lecture on English for Engineers :An Electic Approach towards Language Learning at Tagore Engineering College, on 28.04.2022.

## DEPARTMENT OF COMMERCE

### ➤ New Programmes Started

S.No	Name of the Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1	B.Com. Professional Accounting	May, 2022	24.05.2022	September, 2022	-	-

### ➤ Value Added Programmes Offered

S.No	Name of the programme	Duration (From –To)	Course Duration (hrs)	Details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Front Accounting	January - June 2022	60 Hours	IIT Bombay	43	-	-
2	US CMA	September 2021- August 2022	-	ISDC	16	-	-

### ➤ Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	Advanced Performance Management Training for B.Com Hons	50 Hours in March 2022	50 Hours	ISDC	65	-	-

	students						
2	CIMA Managing Finance in Digital World Training for BBA FS students	40 Hours in March 2022	40 Hours	ISDC	60	-	-
3	Twenty-hour OCS training for BBA FS students	20 Hours in April 2022	20 Hours	ISDC	11	-	-

➤ **Details of Field visits/Industrial visits organized by the department**

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	B.Com.Hons.	VI	A	45	Ms. Ifra, Fathima, Dr. Sibghatullah Nasir, Dr. Krupa B Nair, Dr. Indumathi N., Dr. Fathima A, Dr. B. Ziauddin, Mr. Hasan Bawa, Dr. Sobiya,	Industrial Visit to Mysore, Bangaluru	15-16 May 2021	Practical Exposure of Operations of Business	No
2	B.Com.Hons.	VI	A	45	Ms. Ifra, Fathima, Dr. Sibghatullah Nasir, Dr. Perumal Raj, Dr. Vijay Kumar, Dr. Porkodi, Mr. Rahul, Dr. Mary Angelin	Industrial Visit to Mysore, Bangaluru	17-18 May 2021	Practical Exposure of Operations of Business	No

➤ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the Programme	Type of Programme	Duration (From –To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1	Nurturing and Transforming Economic and Business Practices With Innovation in Global Market (Online Mode)	International Conference	09.10.2021-10.10.2021	Rs. 300, 500 and 700 in different category, Faculty of Economics Universitas Negeri Yogyakarta, Indonesia	<ul style="list-style-type: none"> <li>• Prof. Imran Saleem Dean, Faculty of Commerce, Aligarh Muslim University, Aligarh U.P. India,</li> <li>• Prof. Dr. Khaliq Ahmad, Research Professor, Putra Business School, Malaysia Ex-Dean, IliBF &amp; KENMS IIUM Institute of Islamic Banking and Finance,</li> <li>• Prof. Jaswinder Kaur School of Business, Algonguin College Ottawa, Ontario,</li> <li>• Dr. U. Hussain, Professor and Head, Economics and Business Studies, Mazoon College aDžliated Missouri University of Science and Technology,</li> </ul>	10	-	28	35

					USA <ul style="list-style-type: none"> <li>• Dr. Mohammed Ahmar Uddin Assistant Professor, Department of Finance and Economics CCBA, Dhofar University, Oman,</li> <li>• Dr. Razana Juhaida Johari C.A. (M) Associate Professor, Department of Professional Accounting Studies, Faculty of Accountancy, Universiti Teknologi MARA Shah Alam 40450 Shah Alam, Selangor, Malaysia</li> </ul>				
2	Contemporary Perspectives in Management Accounting	FDP	10.07.2022-12.07.2022	ISDC	Mr. Jaynish Gandhi ACCA & CIMA Tutor, Audit & Tax Consultant	34	-	-	-
3	Five-day IFRS workshop	Workshop	-	ISDC	Deepak Agarwal, Sr. ACA	-	33	-	-
4	"Capital Market"	Webinar	24.12.2022	NSE	<ul style="list-style-type: none"> <li>• Mr. Gokulnath, Deputy Manager, NSE Academy Ltd.,</li> <li>• Mr. Rajan Diehi Deputy Manager, NSE Academy Ltd.,</li> <li>• Mr. Vnodh James</li> </ul>	3	383	-	-

					(CROO, Manager, NSE Academy Ltd				
5	Introduction to "Capstone Project Guidance	Webinar	16.02. 2022	NA	Dr. N. Vijayakumar, Assistant Professor, Department of Commerce BSACIST, Chennai and Dr. N. Lakshmi Kavitha Assistant Professor, Vidyalankar School of Information Technology, Mumbai	10	125	-	-
6	Introduction to One Week Student Development Programme (SDP) for Improving the Soft Skills and Employability Skills among University Students	Webinar	16.03.2022 to 23.03.2022	NA	Dr. N. Vijayakumar, Dr. Karthikeyan Ramalingam, Dr. S. Hameed Kadar Ali, Dr. Ayub Khan Dawood, Dr. A. Jaya., Dr. P. Sheik Abdul Khader, Dr. Afzalur Rahman, BSACIST, Chennai	7	105	-	-
7	Advanced Financial Management Training for B.Com Hons students	Training programme	50 Hours in March, 2022	ISDC	Mr. Madhesh, ACCA & CIMA Tutor	-	65	-	-
8	CIMA Managing Finance in Digital World Training for BBA FS students	Training programme	40 Hours in March, 2022	ISDC	Mr. Madhesh, ACCA & CIMA Tutor	-	60	-	-
9	20-hour OCS Training for BBA FS students	Training programme	20 Hours in April, 2022	ISDC	-	-	11	-	-

10	ACCA, CMA, and CIMA orientation program	Orientation Programme	October ,2021	ISDC	Ms. Fathima Aaria, Head of Operations, ISDC	6	250	-	-
11	"How to Study Masters Abroad with Minimal Investment"	Webinar	16.06.2022	NA	Mr. George Williams S	6	200	-	-
12	Calligraphy workshop for all UG students	Workshop	June, 2022	NA	Ms. Anisha Beevi	2	7	-	-

➤ **Conferences / FDP / Seminars / Workshops Attended by faculty**

S.No	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/Others (Rs)
1	Dr. N Kogila	Capstone Project Guidance	Webinar	16.02.2022	Department of Commerce, BSA Crescent Institute of Science and Technology	-
2	Dr. N Kogila	P1- Management Accounting	FDP	10.01.2022-12.01.2022	ISDC	-
3	Mrs. Farzana. S	Nurturing and Transforming Economic and Business Practices with Innovation in Global Market	International Conference	09.10.2021 – 10.10.2021	Department of Commerce, B.S Abdur Rahman Crescent Institute of Science and Technology, Chennai.	
4	Mrs. Farzana. S	International conference on Research Outlook, Innovations	International Conference	22.01.2022 – 23.01.2022	International journal of advanced study or research work-ICROIRT 2022.	

		and Research Trends				
5	Mrs. Farzana. S	MOOC Course "Improving Assessment through BLOOM's TAXONOMY and RUBRICS"	Faculty Development Programme	24.05.2021 - 21.06.2021	UNESCO International Mentoring Programme	
6	Mrs. Farzana. S	MOOC Course "Empowering Teachers for developing Culturally Responsive Classroom"	Faculty Development Programme	25.05.2021 - 21.06.2021	UNESCO International Mentoring Programme	
7	Mrs. Farzana. S	Educational Technology – Integration and Interaction	Faculty Development Programme	6.06.2021 - 10.06.2021	AICTE Training and Learning (ATAL) Academy's FDP at Aligarh Muslim University Centre, Malappuram.	
8	Mrs. Farzana. S	Advance and Innovative Approaches in Management Education	Faculty Development Programme	5.07.2021 - 9.07.2021	AICTE Training and Learning (ATAL) Academy's FDP at IILM University.	
9	Mrs. Farzana. S	Insight to U.S Baldrige Education Performance Excellence Framework under the NEP 2020 Implementation	Faculty Development Programme	2.08.2021 - 6.08.2021	AICTE Training and Learning (ATAL) Academy's FDP at B V V S Polytechnic(Autonomous), Bagalkot.	
10	Mrs. Farzana. S	Project Thrive (Transformational, Humanistic,	Faculty Development Programme	9.08.2021 - 13.08.2021	AICTE Training and Learning (ATAL) Academy's FDP at Indian	



		Responsible, Innovative, Value-led Educators) - Leadership Excellence			Institute of Management Amritsar.	
11	Mrs. Farzana. S	Implementation of NEP-2020: In context of Higher Education	Webinar	11.02.2022	Shri Lal Bahadur Shastri National Sanskrit University, Teaching Learning Centre, Under Pandit Madan Mohan Malaviya National Mission on Teachers & Teaching Scheme, Ministry of Education, Government of India, Delhi.	
12	Dr. B. Ziauddeen	XLV Indian Social Science Congress	Conference	28.03.2022 – 01.04.2022	ISSC & BSACIST, Chennai	-
13	Dr. B. Ziauddeen	Emerging and Innovative Approach in Management It and communication in teaching and Research	FDP	9.06.2022 - 15.06.2022	MT College of management & Indian Economic Association	-
14	Dr. B. Ziauddeen	P1- Management Accounting	FDP	10.01.2022 - 12.01.2022	ISDC	-
15	Dr. Sibghatullah Nasir	Changing Dimensions in Commerce Education	FDP	20.10.2021 - 27.10.2021	NGM College, Koimbatore	-
16	Dr. Sibghatullah Nasir	Current Trends of Deep Learning in Various Research Domains	Workshop	20.09.2021 – 24.09.2021	NIT, Warangal and SCOPE, VIT-AP	-

17	Dr. Sibghatullah Nasir	Strategy for Managing Personal Finance	Seminar	25.10.2021	AMFI and ACE, Commerce & Management Eternal University	-
18	Dr. Sibghatullah Nasir	XLV Indian Social Science Congress	Conference	28.03.2022 – 01.04.2022	Indian Social Science Congress & BSA Crescent IST, Chennai	-
19	Dr. Sibghatullah Nasir	Nurturing and Transforming Economic and Business Practices with Innovation in Global Market	Conference	09.10.2021 - 10.10.2021	BSA Crescent IST, Chennai	-
20	Dr. Sibghatullah Nasir	One-day FDP ( Faculty Development Programme) on Leadership	FDP	01.06.2022	Crescent School of Business, BSA Crescent Institute of Science and Technology, Chennai	-
21	Dr. Sibghatullah Nasir	P1- Management Accounting	FDP	10.01.2022 - 12.01.2022	ISDC	-
22	Dr. Indumathi N	International Workshop on Research Methodology	Workshops	17.09.2021 - 02-10-2021	World Statistical Data Analysis Research Association	-
23	Dr. Indumathi N	XLV Indian Social Science Congress	Conference	28.03.2022 – 01.04.2022	Indian Social Science Congress & BSA Crescent IST, Chennai	-
24	Dr. Indumathi N	Nurturing and Transforming Economic and Business Practices with Innovation in Global Market	Conference	9.10.2021- 10.10.2021	BSA Crescent Institute of Science and Technology, Chennai	-
25	Dr. T. Porkodi	Capstone Project Guidance	Webinar	16.02.2022	Department of Commerce, BSA Crescent Institute of Science and Technology	-

26	Dr. T. Porkodi	XLV Indian Social Science Congress	Conference	28.03.2022 – 01.04.2022	Indian Social Science Congress & BSA Crescent Institute of Science and Technology, Chennai	-
27	Dr. T. Porkodi	P1- Management Accounting	FDP	10.01.2022 - 12.01.2022	ISDC	-
28	Dr. Krupa B Nair	Enhancing Emotional Intelligence in Academicians to Connect with Next Generation Students"	STTP	19.07.2021 - 24.07.2021	JIMS New Delhi.	-
29	Dr. Krupa B Nair	Fundamentals of Modern Office Management	STTP	28.06.2021 - 02.07.2021	NITTTTR Kolkata	-
30	Dr. Krupa B Nair	Emotional Resilliance	Online Elementary FDP	25.09.2021 - 29.09.2021	AICTE Training And Learning (ATAL) Academy	-
31	Dr. Krupa B Nair	Industry 5.0- opportunities and challenges	FDP	11.03.2022 - 16.03.2022	REC, Chennai .	-
32	Dr. Krupa B Nair	Nurturing and Transforming Economic and Business Practices with Innovation in Global Market	Conference	09.10.2021 - 10.10.2021	BSA Crescent Institute of Science and Technology, Chennai	-
33	Dr. Krupa B Nair	XLV Indian Social Science Congress	Conference	28.03.2022 – 01.04.2022	Indian Social Science Congress & BSA Crescent Institute of Science and Technology, Chennai	-
34	Ms. Ifra Fathima	International conference " Nurturing and Transforming Economic and	International Conference	09.10.2021 - 10.10.2021	Department of Commerce, BSA Crescent Institute of Science and Technology	-

		Business Practices with Innovation in Global Market"				
35	Ms. Ifra Fathima	Designing Direct and Indirect Assessment Tools (ICT218)	STTP	29.11.2021 - 03.12.2021.	NITTTR	-
36	Ms. Ifra Fathima	Thesis and Research paper writing (ICT220)	STTP	06.12.2021 - 10.12.2021	NITTTR	-
37	Ms. Ifra Fathima	Emerging and Innovative Approaches in Management, IT and Communication in Teaching and Research	FDP	09.06.2022 - 15.06.2022	IIMT College of Management	-
38	Ms. Ifra Fathima	"Contemporary Perspectives in Management Accounting"	FDP	10.01.2022 - 12.01.2022	Department of Commerce, BSA Crescent Institute of Science and Technology	-
39	Dr. A. Harikumar	Curriculum Development, Research & Innovation"	SDP	28.07.2021 - 30.07.2021	Trinity College for Women, Namakkal	-
40	Dr. A. Harikumar	"Emerging Trends and Challenges in Commerce"	FDP	02.08.2021 - 09.08.2021.	PPG College of Arts and Science, Coimbatore	-
41	Dr. Fathima A	Ladder to Leader	FDP	9.08.2021 - 13.08.2021	Dr. M.G.R. Educational And Research Institute	-
42	Dr. Fathima A	Curriculum Design And Development	Short Term Course	14.02.2022 - 18.02.2022	Dr. M.G.R. Educational And Research Institute	-
43	Dr. Fathima A	Developing Resilience through Innovations in Management	FDP	21.01.2022 - 26.01.2022	SRM Institute of Science and Technology,	-

		Teaching and Research				
44	Dr. S. Arun Kumar	Excellence in Academic Leadership	FDP	07.01.22 - 11.01.22	PSG College of Technology Coimbatore	-
45	Dr. S. Arun Kumar	Research Outlook, Innovations and Research Trends	International Conference	22. 01.22 - 23. 01.22	ICROIRT	-
46	Dr. S. Arun Kumar	Developing Resilience through Innovations in Management Teaching and Research	FDP	21.02.22 - 26.01.22	College of Management, SRM Institute of Science and Technology,	-
47	Dr. S. Arun Kumar	P1- Management Accounting	FDP	10.01.22 - 12.01.22	ISDC at	-
48	Dr. S. Arun Kumar	“Professional Communication & Soft Skills”	FDP	23.08.22 - 03.09.22	Ministry of Electronics and Information Technology (MeitY), Government of India.	-
49	Dr. S. Arun Kumar	Innovative Technical Educational Practices and academic Leadership	FDP	07.02.22 - 11.02.22	Shri Shankaracharya Technical Campus, Bhilai.	-
50	Dr. Neethi Kumar	FDP on New normal business trends	FDP	5 days 2021	Rathinam college of arts & science (05/07/2021 to 09/09/2021	-
51	Dr. Neethi Kumar	Organisational Behaviour	FDP	5 Days	NIPER ATAL 13.09.2021 to 17.09.2021	-
52	Dr. Neethi Kumar	Innovation & Research in Academic Institutions	workshop	5 Days	TNSCST& PIIC	-
53	Dr. Neethi Kumar	Data Science and Machine Learning	Workshop	15 DAYS	SPDPC 19.05.2021 TO 03.06.2021	-

54	Dr. Neethi Kumar	Innovation & Research in Academic Institutions	workshop	5 days	Patrician college	-
55	Dr. Neethi Kumar	New Normal Business Trends	FDP	5 days	RATHINAM college of Arts and Science	-
56	Dr. Neethi Kumar	“Successful Writing of Research papers in Scopus Journals”.	FDP	25.02.2022 – 26.02.2022	Department of Commerce with Indian Academic Researchers -Association at Einstein College of Arts & Science, Tirunelveli, TN	-
57	Dr. R. Prakash	Financial Accounting and Analysis	Online Course	6 Weeks	SWAYAM, Offered by IIM Bangalore	-
58	Dr. R. Prakash	P1- Management Accounting	FDP	10.01.2022 – 12.01.2022	ISDC	-
59	Dr. R. Prakash	Capstone Project Guidance	Webinar	16.02.2022	Department of Commerce, BSA Crescent Institute of Science and Technology	-
60	Dr. R. Prakash	Know Plagiarism No Plagiarism	Internation Webinar	16.07.2021	NMS Sermathai Vasam College for Women, Madurai	-
61	Dr. R. Prakash	Data Analysis Using SPSS	FDP	20.11.2021 - 30.11.2021	Sadbhavana College of Education for Women, Ludhiana	-
62	Dr. R. Prakash	Blueprint of How to get Published	Nation Webinar	30.07.2021	MEM Asmabi College, Kera	-
63	Dr. R. Prakash	XLV Indian Social Science Congress	National Conference	28.03.2022 – 1.04.2022	Indian Social Science Academy	-
64	Mr. S. Rajini	Developing Conciousness	FDP	16.08.2021 - 20.08.2021	AICTE, New Delhi	-
65	Mr. S. Rajini	Elarly Stage Innovation, Startups and Entrepreneurship	FDP	23.08.2021 - 27.08.2021	AICTE, New Delhi	-

66	Mr. S. Rajini	Nurturing and Transforming Economic and Business Practices with Innovation in Global Market	Int. Conference	9.10.2021 - 10.10.2021	BSA Crescent Institute of Science and Technology, Chennai	-
67	Mr. S. Rajini	Application Areas of Data Analytics Data Sciences	FDP	23.10.2021 to 27.10.2021	AICTE, New Delhi	-
68	Dr. Mohammed Sherfuddin	"Contemporary Perspectives in Management Accounting"	FDP	10.01.2022- 12.01.2022	Department of Commerce, BSACIST	-
69	Dr. Mohammed Sherfuddin	XLV Indian Social Science Congress,	Conference	28.03.2022 - 01.04 2022	Indian Social Science Congress & BSA Crescent IST, Chennai	-
70	Dr. Mohammed Sherfuddin	"LEADERSHIP"	FDP	01.06.2022	Crescent School of Business, BSA Crescent IST, Chennai	-
71	Dr. S. Radhika	Developing Resilience through Innovations in Management Teaching and Research	FDP	21.01.2022 - 26.01.2022	SRM Institute of Science and Technology,	-
72	Dr. S. Radhika	Fostering Digital Core Competencies in Academic Landscape	FDP	20.09.2021 - 25.09.2021	Kerala State Higher educational Council With UGC	-
73	Dr. S. Radhika	Heritage management: Business Perspective	FDP	23.09.2021 - 27.09.2021	AICTE-ATAL	-
74	Dr. S. Radhika	Effective Teaching Strategies in higher education	FDP	06.09.2021 - 12.09.2021	St.Mary's College Calicut	-

75	Dr. S. Radhika	Advanced Methodologies for Contemporary Approach – A Pragmatic approach	FDP	06.08.2021 - 23.08.2021	Government Ramnarayan Chellaram College of Commerce and Management	-
76	Dr. S. Radhika	Investment awareness Programme on Securities Market	National Workshop	16.09.2021 - 21.09.2021	MEASI Institute of Management	-
77	Dr. S. Radhika	Innovation and Research in Academic Institutions	National Workshop	05.08.2021 - 10.08.2021	Patrician college of Arts and Science with Tamilnadu State Council of Science and Technology	-
78	Dr. Arshiya Afrin	"Contemporary Perspectives in Management Accounting"	Faculty development programme	10.01.2022 - 12.01.2022	Department of Commerce, BSA Crescent Institute of Science and Technology, Chennai.	-
79	Dr. Arshiya Afrin	"Capstone Project Guidance"	Webinar	16.02.2022	Department of Commerce, BSA Crescent Institute of Science and Technology, Chennai.	-
80	Dr. Arshiya Afrin	Served as "Resource person"	Special coaching program	3.03.2022 - 11.03.2022	School of physical and chemical science and school of social science and humanities, BSA Crescent Institute of Science and Technology, Chennai.	-
81	Dr. Arshiya Afrin	XLV Indian Social Science Congress	National conference	28.03.2022 - 01.04.2022	Indian Social Science Congress & BSA Crescent Institute of Science and Technology, Chennai.	-
82	Dr. Perumalraja R	One-week certificate course on Digital Teaching Techniques	Workshop	24.01.2022 - 28.01.2022	ICT Academy	-



83	Dr. Perumalraja R	Webinar on 'Improving research writing using grammarly software'	Webinar	02.06.2022	Office of Dean(Research), BSA CIST	-
84	Dr. Perumalraja R	Webinar on 'Capstone Project Guidance'.	Webinar	16.02.2022	Department of Commerce, BSA CIST	-
85	Dr. Perumalraja R	P1- Management Accounting	FDP	10.01.2022 - 12.01.2022	ISDC at B.S. Abdur Rahman Crescent Institute of Science and Technology	-
86	Mr. Rahul P	One-week certificate course on Digital Teaching Techniques	Workshop	24.01.2022 - 28.01.2022.	ICT Academy	-
87	Mr. Rahul P	Webinar on 'Improving research writing using grammarlysoftware'	Webinar	2.06.2022	Office of Dean(Research), BSA CIST	-
88	Mr. Rahul P	Webinar on 'Capstone Project Guidance'.	Webinar	16.02.2022	Department of Commerce, BSA CIST	-
89	Mr. Rahul P	2nd International Conference on Research Outlook, Innovations and Research trends 2022	Conference	22.01.2022 - 23.01.2022	International Journal of Advance Study and Research Work (ISSN: 2581-5997) Mumbai, India.	-
90	Mr. Rahul P	"Mathematical Applications in Data Science"	Webinar	31.01.2022	Department of Mathematics & Actuarial Science, B S Abdur Rahman Crescent Institute of Science & Technology	-
91	Mr. Rahul P	P1- Management Accounting	FDP	10.01.2022 - 12.01.2022	ISDC at B.S. Abdur Rahman Crescent Institute of Science and Technology	-
92	Dr. S L Sobiya	XLV Indian Social Science Congress	National conference	28.03.2022- 1.04.2022	Indian Social Science Congress& BSA Crescent Institute of Science and Technology, Chennai.	-

93	Dr. Rafiya banu Syed	Time Series Econometrics with E-View Software	FDP	One Week(13.06.2022 - 18.06.2022)	REST SOCIETY FOR RESEARCH INTERNATIONAL(RSRI); Registration under the Indian Trusts Act, 1882:43/2009.	-
94	Dr. Rafiya banu Syed	Structural Equation Model and Confirmatory Factor Analysis using AMOS	workshop	3 days(18.12.2021 - 20.12.2021)	Inspire Softech Solution	-
95	Dr. Rafiya banu Syed	Structural Equation Model using AMOS	Workshop	30.08.2021	SHRI SHANKARLAL SUNDARBAI SHASUN JAIN COLLEGE FOR WOMEN-by Internal Quality Assurance Cell.	-
96	Dr.S.Vidya	“Advanced Research Methodology”	National level FDP	5.01.2022 - 15.01.2022	Brainware University, Kolkatta.	-
97	Dr.S.Vidya	P1 - Management Accounting	FDP	10.01.2022 - 12.01.2022	International Skill Development Corporation, CIMA I	-
98	Dr.S.Vidya	“DIGITAL FLUENCY”	webinar	02.02.2022	Patel Institute Of Science and Management, Begaluru, Karnataka	-
99	Dr.S.Vidya	Registered Volunteers - Vidyanjali Higher Education	Orientation Programme	08.02.2022	Volunteer Programme of Ministry of Education (MOE), Govt of India .	-
100	Dr.S.Vidya	Cyber Security and Threat Landscape	STTP	15.3.2022 - 22.3.2022	National Cyber Safety and Security Standards (NCSSS) in collaboration with School of Computer Science, Konngunadu Arts and Science , Coimbatore – 29	-

101	Dr.S.Vidya	“Emerging and innovative Approach in Management IT and Communication in 104Teaching and Research, ”	FDP	9.06.2022 - 15.06.2022	IIMT College Of Management In Collaboration With Indian Economic Association	-
102	Dr S.Vidya	XLV Indian Social Science Congress	Presented Paper in National conference	28.03.2022 - 01.04.2022	Indian Social Science Congress& BSA Crescent Institue of Science and Technology,Chennai.	-

➤ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
2	-	-		-	5	5	10	22

**2. Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

- a) **SCI/Scopus Indexed Journal**
- b) **Other journals**

1. T. Porkodi, N. Kogila & J. M. Velmurugan ""An Analytical Study on Managing Human Resources Through Relevant Social Security Measures", *Journal of Statistics & Management Systems*" Vol. 25, No. 5, pp. 1047–1057, 2022

2. J.M. Velmurugan N. Kogila T. Porkodi "Financial Performance of Mahatma Gandhi National Rural Employment Guarantee Act (Mgnrega) And Social Audit In India –A Panoramic View", *The International journal of analytical and experimental modal analysis*" Vol. 13, No.7, PP 1430-1437. 2021
3. C.Srinivsan, K. Jasim & R. Sridhar "Measurement of D-M model on competitiveness of 3PL in Indian automobile industry through partial least square (PLS) estimationms" Vol. 25, No.5, pp. 1269–1278, 2022
4. N.B. Krupa " A Study on the impact of Covid 19 on home delivery of food items through food delivery platforms" - *International Journal of Business and Administration Research Review (IJBARR)*, Volume- 8, Issue- 3, , pp. 141-149. 2021
5. N.B. Krupa "A study on the impact of brand influence in innovation of product - Organic Soap"- *Turkish online journal of Qualitative inquiry*. Indexed by Scopus TR Dizin, 2021
6. T. Porkodi, N. Kogila & Dr.J. M. Velmurugan ""An Analytical Study on Managing Human Resources Through Relevant Social Security Measures" *Journal of Statistics & Management Systems*" Vol. 25, No.5, pp. 1047–1057
7. J.M. Velmurugan, N. Kogila Mrs.T. Porkodi "Financial Performance of Mahatma Gandhi National Rural Employment Guarantee Act (Mgnrega) and Social Audit In India –A Panoramic View", *Journal "The International journal of analytical and experimental modal analysis*" Vol. 13, No.7, PP 1430-1437. 2021
8. B. Babitha Lucin Rani B, Dr.D. Revathi Pandian, Dr Krupa B Nair, Sajana K P." Lean Manufacturing Vs Just In Time, "*International Journal of Advanced Research in Management, Architecture, Technology and Engineering*" Vol. 7, No.10, pp.13-20, 2021
9. N. Indumathi "A Study on The Impact of Brand Influence in Innovation of Product - Organic Soap"- *Turkish online journal of Qualitative inquiry*. Indexed by Scopus TR Dizin, 2021
10. N. Indumathi on " A Study on the impact of Covid 19 on home delivery of food items through food delivery platforms" - *International Journal of Business and Administration Research Review*, Volume- 8, Issue- 3, , pp. 141-149. 2021
11. A. Fathima, C. B Senthil Kumar, R. Radhika "An Empirical study on Self-Help groups of Women Entrepreneurs: Determinants of Financial Performance of micr enterprise", *Journal of Algebraic Statistics*, Vol. 13. no 3, pp 772-783, 2022

12. A. Fathima, Dr. C.B Senthil Kumar, Nallusamy "Study on Challenges and Issues of Women Entrepreneurs in Tamilnadu with Reference to Chennai District by Likert Scaling Technique", *Annals of Romanian Society for Cell Biology*, vol. 25, no. 3, pp. 8076–8086, 2021.
13. A. Fathima, Dr. C.B Senthil Kumar "A Study on Women Entrepreneurs in Chennai District." *Turkish Journal of Physiotherapy and Rehabilitation*, vol.32, no.2, pp. 433-436, 2021
14. P. Neethikumr The Relationship of Customer Service Quality and Customer Trust in Private Banks. *illkogritm Online - Elementary Education Online*, Vol.10, No.5, pp. 5454-5458, 2021
15. R. Prakash, Dr.N. Indumathi, N. Jayanthi "An inquiry into the availability of digital infrastructure for effective online teaching-learning: teachers' perspective in the private colleges of tier-II cities in Tamilnadu, India", *Korea Review of International Studies*, vol.15, Issue 37, pp.69-82, 2022.
16. A. Fathima, Dr. C. B Senthil Kumar, R. Radhika "An Empirical study on Self-Help groups of Women Entrepreneurs: Determinants of Financail Performance of micr enterprise", *Journal of Algebraic Statistics*, Vol. 13. no 3, pp 772-783, 2022
17. F. Ifra, Radhika., Fathima A "Customer satisfaction and customer retention as a result of e-Service quality after the COVID-19 breakdown", *Journal of Statistics and Management Systems*, Vol. 25, no 5, pp. 1231-1243, 2022.
18. S. Saravanan, Dr. Vijayakumar V, "Analysing India's Balance of Payment Position during Pandemic Period", *International Journal of Advanced Research*, Vol. 10, No. 07, pp 299-301.
19. S. Saravanan, V. Vijayakumar, "Analysis of India – Sri Lanka Bilateral Trade Relations", *International Journal of Research and Analytical Review (IJRAR)* Vol-9-Issue-3-, pp.1084-1092. 2022
20. A. Mohideen "Strategies for Effective Human Resource Development" *International Journal of Commerce, Management and Computer Application*, Vol:5, No. 25, ISSN: pp. 2395-2091,2022
21. S. Farzana. "A study on the Impact of Brand Influence in Innovation of Product - Organic Soap"- Turkish online journal of Qualitative inquiry. Indexed by Scopus TR Dizin, 2021.
22. S. Farzana. "A Study on the Impact of Covid 19 on Home Delivery of Food Items through Food Delivery Platforms" *International Journal of Business and Administration Research Review*, Volume- 8, Issue- 3, , pp. 141-149,2021.

23. S. Farzana. "Study on the Impact of Service Quality on the Customer Satisfaction due to e-Banking Services of Public Sectors Banks in Chennai", International conference on Nurturing and Transforming Economic and Business Practices with Innovation in Global Market, *Journal of Statistics and Management Systems*, Taylor & Francis, Volume 25 Issue 5, 2022.
24. S. Farzana. "Employee Perception towards Attrition in IT Industry - With Special Reference to Chennai City", International conference on Nurturing and Transforming Economic and Business Practices with Innovation in Global Market, *Journal of Statistics and Management Systems*, Taylor & Francis, Volume 25 Issue 5, 2022.

**International Conference & National Conference:**

**c) Other Conferences**

1. Ziauddin.B "Analysis of Stress Management for Employees in IT Sector" in the 45th ISSC on Environment Energy and Health, ISSC & BSA Crescent IST, March 28 to April 1, 2022, pp. 358-358
2. S. Nasir, "A Study of the Impact of Microfinance on Employment Generation with Special Reference to District Varanasi" in the 45th ISSC on Environment Energy and Health, ISSC & BSA Crescent IST, March 28 to April 1, 2022, pp. 358-358

➤ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1	Mrs. Farzana. S	"Women empowerment – Role of women education innational development" Book titled 'empowering women'	-	-	Department of HRM, Dr. M.G.R Educational and Research Institute, 8th March 2022.	-

2	Dr. Rafiya Banu Syed	The Effects and Importance of Performance Appraisal and Reward System in Improving Productivity in Organizations - The Patents Act 1970 39 of 1970 & The Patent Rules 2003.	-	-	Apple Academic Press	-
3	Dr. Rafiya Banu Syed	Responsible Management Practice for Sustainability: A Review of CSR in New Normal	-	-	Apple Academic Press	-
4	Dr. Rafiya Banu Syed	Trends of Management” under book series “Futuristic Trends in Management”	-	-	IIP Proceedings	-

➤ **Patents (Obtained / Applied)**

S.No	Details of the Faculty & Affiliation	Title of Patent	Details of Patents			Details of Financial Assistance from Institution
			Filed	Published	Granted	
1	Dr. S Vidya	Framework for Sales Force Competence Model	Marketing	45/2021 dated 5/11/2021	202141043673 A	-

➤ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range B) Average C) H-Index- **8** D) No. In Scopus - **5**

➤ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ non teaching Staff	Type of recognition/Award	Details of Awarding organization	Month & Year
1	Dr. S. Vidya	Dr. Sarvepalli Radhakrishnan National Award	Consortium of School and College Teachers in India on	05.09.2021
2	Ms.Ifra Fathima	Faculty Advisor	IMA India Case Study Competition for her role as faculty advisor for the 2022	March, 2022
3	Dr. A. Hari Kumar	Resource Person	Mar Gregorios college, Mogappair, Chennai	02.12.2021.
4	Mr.S.Rajini	Resource Person	Department of Commerce with Indian Academic Researchers Association at Einstein College of Arts & Science, Tirunelveli, TN on.	25.02.2022 - 26.02.2022
5	Dr.T.Porkodi	Resource Person	Central Library, School of Physical and Chemical Sciences and School of Social Science and Humanities	03.03.2022 -11.03.2022
6	Dr.N.Kogila			03.03.2022 -11.03.2022
7	Dr.Krupa B Nair			03.03.2022 -11.03.2022
8	Ms.Ifra Fathima			03.03.2022 -11.03.2022
9	Ms. Arshiya Afrin			03.03.2022 -11.03.2022



➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1	Mr.Sai Sandeep	191451601047	Runners-up in All India Inter-university Ball Badminton Championship, 2021-22	AIU	March, 2022
2	Mr.Shibi Guru M - BBA FS	201491601054	IMA All India regional finals case study competition	IMA	March ,2022
3	Ms.Aishwarya E - BBA FS,	201491601001			March, 2022
4	Ms.Ashmila Barwin - BBA FS,	201491601006			March, 2022
5	Ms.Kruthi Raghavi V H - B.Com Hons,	211451601022			March, 2022
6	Mr.Mohammed Anas A H - B.Com Hons,	211451601029			March, 2022
7	Ms.Afrin Fathima - BBA FS,				March, 2022
8	Mr.Mohamed Anzil - BBA FS,	201491601031			March, 2022
9	Ms.Shafika Fathima Shajahan - BBA FS	201491601051			March, 2022
10	Ms.ubhashini - B.Com Hons	211451601055			March, 2022
11	Mr.Abdul Haleem - B.Com Hons)	211451601004			March, 2022

➤ **Industry / Institute Collaboration**

S.No	Name & Detail of Industry	Type of Collaboration	Month & Year of Commencement	Status		Outcome
				Ongoing	Completed	
1	J M Education Initiatives Pvt. Ltd.	MOU	July, 2021	Ongoing		CA Coaching Programme
2	J M Education Initiatives Pvt. Ltd.	MOU	October, 2021	Ongoing		Capital Market Coaching Programme
3	Strategic Educational Professionals Private Limited	MOU	November, 2021	Ongoing		Access to ACCA professional development and learning resources,
4	NSE Academy Limited	MOU	November, 2021	Ongoing		Certification Program in Financial Markets with Self-Paced Learning through NSE Knowledge Hub
5	ISDC Projects India Pvt. Ltd.	MOU	December, 2021	Ongoing		B.Com. and BBA with US CMA
6	Miles Education PVT. Ltd.	MOU	March, 2022	Ongoing		B.Com. (Professional Accounting)
7	Anudeep Foundation of Social Welfare	MOU	June, 2022	Ongoing		Impart market aligned skill and career development training Programme for the unemployed youth and women towards successful placement of the trained students

➤ **MoUs Signed**

S.No	Name of the Industry / Research organization / Institute	Type of Collaboration	Details of MoU			Outcome	Current status
			Day	Month	Year		
1	J M Education Initiatives Pvt. Ltd.	MOU valid up to July 2022	19	July	2021	CA Coaching Programme	Active
2	J M Education Initiatives Pvt. Ltd.	MOU valid up to 2024	01	October	2021	Capital Market Coaching Programme	Active
3	Strategic Educational Professionals Private Limited	MOU valid up to 2024	01	November	2021	Access to ACCA professional development and learning resources,	Active
4	NSE Academy Limited	MOU valid up to Nov. 2022	29	November	2021	Certification Program in Financial Markets with Self-Paced Learning through NSE Knowledge Hub	Active
5	ISDC Projects India Pvt. Ltd.	MOU valid up to 2024	22	December	2021	B.Com. and BBA with US CMA	Active
6	Miles Education PVT. Ltd.	MOU valid up to 2025	11	March	2022	B.Com. (Professional Accounting)	Active
7	Universiti Teknologi Mara, Malaysia	MOA valid upto 2024	05	May	2022	To promote the Research Collaboration via matching grants from each University	Active
8	Anudeep Foundation of Social Welfare	MOU valid up to 2022-25	24	June	2022	Impart market aligned skill and career development training Programme for the unemployed youth and women towards successful placement of the trained students	Active

➤ **Extension Activity Conducted**

S.No	Type of extension activity	Details of Participants			Details of beneficiaries	Programme duration	Outcome
		Faculty	Student	Others			
1	NSS Certificate Distribution For “Beat Covid Campaign”	10	50	10	Students and common people	09.08.2021	Awareness about Covid-19
2	NSS Day Celebration - Mega Tree Plantation Campaign	7	200	50	Keerappakkam and Karasangal villages	24.09 2021	Clean & Green Environment
3	Clean India Campaign Pledge	15	250	-	Students and Staffs	29.10.2021	Awareness about the importance of Cleanliness, Hygiene and Health
4	Constitutional Day	5	50	-	Students of various disciplines	26.11.2021	Awareness about Indian Constitution
5	World Aids Day	8	65	-	Students	01.12.2021	Awareness about Aids
6	Distribution of Flood Relief Materials to Scheduled Tribe People	2	30	60	60 Families of Flood affected Irular tribal community in Utharamerur	06.02.2021	Assistance to the sufferers
7	Human Rights Day Celebration	2	60	-	Students and Faculties	10.12.2021	Awareness about Human Rights
8	Covid19 Vaccination Camp	100	400	-	Students & Staffs	10.12.2021	Students and Staff got vaccination
9	Dedication of First Aid Centre At Primary Health	10	10	30	First Aid Centre of the Primary Health Centre,	14.12.2021	People of Guduvancherry got renovated First Aid

	Centre, Guduvancherry				Guduvancherry		Centre of the Primary Health Centre, Guduvancherry
10	Awareness Webinar On Prevention And Control of Covid 19	8	100	-	Students & Staffs	28.12.2021	Awareness about Covid-19
11	Celebration of National Girls Child Day	7	70	-	Students and Staffs	24.01.2022	Awareness about the importance of Girl Children
12	Workshop on Rural Entrepreneurship And Innovation	7	75	-	Students and Staffs	18.02.2022	Awareness about Workshop on Rural Entrepreneurship And Innovation
13	Women's Day Celebration	25	300	-	Students and Staffs specially women	08.03.2022	Awareness about the importance of women Citizens
14	National Learn About Butterflies Day	5	60	-	Environment	14.03.2022	Awareness about Butterflies and Ecosystem
15	Blood Donation Camp	10	90	-	Needy people of Blood	18.03.2022	90 units of blood made available for the needy patients
16	Cancer Awareness Programme	5	10	54	Students and Staffs common people	21.04.2022	Awareness about Cancer
17	Free Medical Camp	5	200	-		22.04.2022	200 school students undergone medical investigation and got benefited by this free medical camp.

18	Yoga Countdown Day Programme	5	70	-	Students and Staffs	17.05.2022	Created awareness about yoga and its ability to enrich human lives.
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## CRESCENT SCHOOL OF LAW

### ❖ New Programmes Started

S.No	Name of the Programme	Month & Year of Introduction	Details of Approval			
			Board of Studies	Academic Council	BOM	AICTE/UGC
1	LL.M	September, 2021	24/08/2022	7/09/2022	-	-

### ❖ Training Programmes Offered

S.No	Name of the programme	Duration (From –To)	Programme Duration (Hrs)	Course fee & details of Collaborating Agency	Details of Participants		
					Students	Faculty	Others
1	1 <sup>st</sup> BS Abdur Rahman Intra Moot Court Competition	28/03/2022 - 29/03/2022	Two days	Nil	100	Shahnawaz Ahmad	All faculties

❖ **Details of Field visits/Industrial visits organized by the department**

Sl. No	Participant Details				Name of faculty involved	Industry Visited	Date / Duration	Outcome	Report Submitted to IQAC (Yes / No)
	Programme	Sem.	Sec.	No. of Students					
1	High Court of Kerala Visit	4	BA, BBA LLB A & B SEC	120	Dr. Aamir Majeed Parray, Dr. Nazneen, Ms. Manasa, Ms. Sam Era Fathima, Mr. Azhar Iqbal	Court	01/06/2022	Court Atmosphere Exposure	No
2	45 <sup>th</sup> Chennai Book Fair	4	BA, BBA LLB A & B SEC	100	Mr. Ankit Anand, Mr. Sudalai Muthu	Book Fair	04/03/2022	Reading Skill Enhancement	No

❖ **Conferences / FDP / Seminars / Workshops Organized by the department**

S. No	Name of the Programme	Type of Programme	Duration (From – To)	Registration Fee & Details of Collaborating Agency	Details of Keynote Speakers	Details of participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	World Entrepreneur's Day Webinar- How To Become An	Webinar	24/08/2021	FREE	Dr. Aamir Majeed Parray	ALL	ALL	05	NIL



	Entrepreneur: Balancing Passion & Profession.								
2.	FinTech: An Analysis of Industry and Need for Comprehensive Legal Framework.	Webinar	9/09/2021	FREE	Dr.Bilal Asghar	ALL	ALL	NIL	NIL
3.	Role of Communication and Public Relations In Law Career.	Webinar	13/09/2021	FREE	Ms.Sameera Fathima	-	-	-	-
4.	Trends in E-Commerce Industry: A Review of Consumer Protection in India. 8 October 2021	Webinar	8/10/2021	FREE	Dr.Abraham Konda	-	-	-	-
5.	An Analysis of Arbitration Law In Light of The Recent Amendments In India.	Webinar	30/10/2021	FREE	Dr.Samiulla Arab	-	-	-	-
6.	Ensuring Reasonable Fair and Justice Procedure for All Citizens.	Webinar	9/11/2021	FREE	Ms.Shameema Parvin	-	-	-	-
7.	Are Fundamental Duties Being Rightfully	Webinar	26/11/2021	FREE	Ms.Manasa Krishnakumar	-	-	-	-

	Executed?.						-		
8.	Human Rights Impacts of the Digital Welfare State.	Webinar	7/12/2021	FREE	Ms. Rejitha Nair	-	-	-	-
9.	Thinking Out of the Box: How to Stay Unique By Pursuing A Career In Law.	Webinar	22/12/2021	FREE	Ms.Asiya Jahan	-	-	-	-
10.	Initiation Ceremony of Research Club & Awareness Programme on Importance of Research With Special Reference to Law.	Webinar	22/09/2021	FREE	Dr.Samiulla Arab, Dr.Nazneen	ALL	ALL	-	-
11.	Law Blog Competition	Online	24/01/2022	FREE				-	-
12.	World Book Day	Literary Events	23/04/2022	FREE	Dr.Samiulla Arab, Dr.Nazneen			-	-
13.	Research Methodology	FDP	23/02/2022- 27/03/2022	FREE	Prof.Dr. T. Harinarayana, Director – Centre of Energy Sponsored Projects & Consultancy (ESPAC) Dr. Arab	-	-	-	-

					Mohammed Shamiulla, Professor and Dean Miss. Samsul Sameera, Asst.Professor, Crescent School of Law,				
14.	World Book Day	Literary Events	23/04/2022	FREE	Dr.SAMIULLA ARAB, Dr.NAZNEEN	-	-	-	-
15.	Research Methodology	FDP	23/02/2022-27/03/2022	FREE	Prof.Dr. T. Harinarayana, Director – Centre of Energy Sponsored Projects & Consultancy (ESPAC) Dr. Arab Mohammed Shamiulla, Professor and Dean Miss. Samsul Sameera, Asst.Professor, Crescent School of Law, Chennai Prof. Dr.Raghunatha	-	-	-	-

					Reddy Dean, Bharath Institute of Law, Bharath Institute of Higher Education & ; Research, Chennai Dr.Nazneen M.Y. Assistant Professor, Crescent School of Law Dr. Amir Majeed P. Asst. Professor, Crescent School of LDr. Hassan Shareef K Assistant Professor, Crescent School of Lawaw, Chennai Mr. I. Shahzad Asst. Professor, Crescent School of Law, Chennai Dr. M. S. Sharmila Assistant Professor (SG.)				
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					<p>VIT School of Law, Chennai          Dr. Abraham Konda Assistant Professor, Crescent School of Law          Dr. Sarfaraj Ahmed Khan Assistant Professor, West Bengal National University of Juridical Sciences, Kolkata          Dr. Nizamuddin Ahmad Siddiqui Assistant Professor, Crescent School of Law, Mrs. Krishnaveni, Assistant Professor, Crescent School of Law          Dr. Bishwa Kalyan Dash Assistant Professor, KIIT School of Law, Bhubaneswar, Odisha</p>				
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16.	“Anti- Superstition! Awsand Society: Makin G Scientific Temper The Key”	International Conference	13/05/2022 - 14/05/2022	Rs.1500	Dr. Mohammed Samiulla Arab, Dr. Nazneen.M. Y. Prof. Nadia Ahamed from, Barry University, Florida, Prof. Dr. Zia. A. Pathan from University of Eswatini, Kingdom of Eswatini, Prof. Dr. Kangie Naidoo from University of Zululand, South Africa.	-	-	-	-
17.	Women’s Day Awareness Programme	Women Empowerment	8/03/2022	Free	Ms.Neha Parveen	-	-	-	-
18.	Moot Court Competition	Workshop	09/09/2022	Free	Shahnawaz Ahmad Ms. S. Saba Adv Balaji AP Adv Tanvi Kankaria	All	All	Nil	Nil

❖ **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

S. No	Name of the Programme / Activity	Duration	Details of financial support received from Institution	Remarks
1.	1 <sup>st</sup> BS Abdur Rahman Intra Moot Court competition organized by Shahnawaz Ahmad, Nizamuddin Ahmad Siddiqui	March 28-29, 2022	Rs. 36,000/-	By Crescent School of Law

❖ **Conferences / FDP / Seminars / Workshops attended by faculty**

S. No	Name of the Faculty	Name of the Programme	Type of Programme	Duration (From – To)	Organizing Agency	Details of Sponsorship amount received from BSACIST/ Others (Rs)
1	Mr. Shaji.m	Leadership	FDP	One day	B.S. Abdur Rahman Crescent Institute of Science and Technology	NA
2	Ms.Krishnaveni.K	Research Methodology in Social Sciences	FDP	Five Days	Crescent School of Law	NA

3	Ms. S.Syed Ali Fathima Nisha	Refresher Course	NPE	21/03/2022 - 4/04/2022	MHRD	NA
		IPR	FDP	28/03/2022 - 01/04/2022	CIPAM	
		Communicative Skills	FDP	7/3/2022 - 11/03/2022	NITTTR	
		Research Methodology	FDP	17/01/2022 - 21/01/2022	REVA University	
		Research Methodology	FDP	07-03-2022 - 11-03-2022	Crescent School Of Law	
		International Law	Worksh op	19/03/2022 - 20/03/2022	ISIL	
4	Ms. Tamilselvi Jagadeesan	IPR	National Seminar	24/04/2022 - 25/04/2022	AIJIPCA	-
		Superstition and Harmful Cultural Beliefs	International Conference	13/05/2022 - 14/05/2022	Crescent School of Law	
		Legal Training Programme	--	04/03/2022	-	
		Research Methodology	FDP	15/2/2022 -16/3/2022	Ministry of Education & Ramanujan College, University of Delhi.	



		Research trends and quality enhancement skills for teaching	FDP	17/1/2022 - 21/1/2022	REVA University	-
		Research Methodology	FDP	7/2/2022 to 14/2/2022	K.N.Modi University	-
		Research Methodology In Social Sciences	FDP	07-03-2022 -11-03- 2022	Crescent School Of Law	-
		Advanced Research Methodology	FDP	22/3/2022 - 5/4/2022	Ministry of Education & Ramanujan College, University Of Delhi	-
		Rights of Transgende Bridges Law and Life	National Seminar	18/3/2022 - 19/3/2022	Department of Legal Studies, University of Madras.	-
		One week training programme on IPR	Workshop	28/3/2022 - 1/4/2022	Dr. Bhimrao Ambedkar University with CIPAM, Ministry of commerce and industries.	-
5	Ihsan Shahzad P A	Research Methodology	FDP	07-03-2022 - 11-03-2022	Crescent School Of Law	NA
6	Saleem Ahmed M A	Multidisciplinary Approaches in Social And Legal Issues	FDP	12/072021 – 16/072021	IILM University, Gurugram	NA

		Research methodology in social sciences	FDP	07-03-2022 - 11-03-2022	Crescent School Of Law	NA
7	Samsul Sameera	Research trends and quality enhancement skills for teaching	FDP	17/1/2022 - 21/1/2022	REVA University	-
		Research Methodology	FDP	7/2/2022 - 14/2/2022	K.N.MODI University	-
		Research Methodology In Social Sciences (Resource Person)	FDP	07/03/2022 - 11/03/ 2022	Crescent School Of Law	--
		Advanced Research Methodology	FDP	22/3/2022 to 5/4/2022	Ministry of Education & Ramanujan College, University of Delhi.	-
		One week training programme on IPR	Workshop	28/3/2022 to 1/4/2022	Dr.Bhimrao Ambedkar University with CIPAM, Ministry of commerce and industries.	-
8.	Mr. shahnawaz Ahmad	Leadership	FDP	One day	B.S. Abdur Rahman Crescent Institute of Science and Technology	NA-
9.	Mr. Mohd Salim	Leadership	FDP	One day	B.S. Abdur Rahman Crescent Institute of Science and Technology	NA-

		Sensitization workshop on effective implementation of POSH Act	Workshop	9/3/2022 to 11/3/2022	-	-
10.	Dr.Nazneen.M.Y	Research Methodology In Social Sciences(Convenor & Resource Person)	FDP	07-03-2022 - 11-03-2022	CSL	-
		Convenor & Resource Person	World Book Day	23/04/2022	CSL	-
		Anti Superstition Laws (Convenor & Resource Person)	International Conference	13/05/2022 - 14/05/2022	CSL	-
		Postcolonial Realism (Resource Person)	Seminar	06/01/2022	Mother Teresa University, Kodaikanal	-
		Poetry as The Expression of Self (Resource Person)	World Poetry Day	21/03/2022	Mother Teresa University, Kodaikanal	-
		Virginia Woolf As A Phenomenal Feminist (Resource Person)	Special Lecture	25/01/2022	Sri GVG Visalakshi College (Autonomous)	-

11	Prem Ram M R	Anti-Caste Thought: Theory, Politics and Culture.	Conference (Paper Presentation )	29th October to 30th October	University of Wolverhampton, UK.	-
12	Sherin E.V	Research studies in law	Workshop	30/05/2022–3/06/2022	Tamilnadu Ambedkar University	-
15	Mr. Azhar Iqbal Mozumder	Research Methodology	FDP	07/03/2022 - 11/03/2022	Crescent School of Law	-
16	Mr.Ankit Anand	Conflict Assessment & Management	Executive Programme	27/11/2021 to 12/12/2021	School of Law, Sastra Deemed University in joint collaboration with the Tata-Palkhivala Chair on AI & ADR.	-
17	Ms. S.Saba	Leadership	FDP	One Day	B.S.Abdur Rahman Crescent Institute of Science and Technology	-
18.	Ms. Neha Parveen	Multi- Disciplinary Approaches to Legal Epistemology	FDP	19/06/22 - 25/06/22	Maharashtra National Law University, Aurangabad	-
		Women and Law	Seminar	8/03/2022	Crescent School of Law, BSACIST, Chennai	-

❖ **Papers Published/ Presented in Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
4	-	-	-	-	5	-	-	9

❖ **Details (list) of Publication in National & International Journals & Conferences: (IEEE Format)**

**International Journal & National Journal**

- a) **SCI/Scopus Indexed Journal**
- b) **Other journals**

1. Shaji.M "Industrial water pollution in Tamil Nadu: A case study, NIU International Journal of Human Rights" Vol.9(II)- February 2022, pp. 86-95
2. Sherinfarhana E.V "India's Need for Anti Superstitious Laws: An Analysis, International Journal of Research Education and Scientific Methods, ISSN 2455-6211
3. Cyber Crimes and the Victimsation of Women, International Journal of Law Management and Humanities, ISSN 2581-5369
4. M.Shamima Parveen "Notion of Sustainable Development Goal and Human Rights of Migrant Labour" Indian Journal of Law and Legal Research, ISSN: 2582-8878, Volume IV Issue II.
5. M.Shamima Parveen," COVID19 and Migrant Labour- An Analysis White Black Legal "ISSN 2581-8503, Volume 2 Issue 12

**International Conference & National Conference:**

- a) **Conference with ISBN Proceedings**
- b) **Other Conferences**

1. Shaji.M, "1. Corporate Liability in Relation to Environmental Crime: A legal approach" in the book Title: Lex Et Mutatio – Law and Social Transformation ISBN: 978-93-86037-87-9
2. Sherin Farhana E.V Child Marriage and its Issues in India: A Legal Analysis (Volume 1 Issue 6) of International Journal for Legal

- Research and Analysis ISBN Book (978-81-948082-7-5).
3. Ankit Anand, Changes to Labour Laws by State government midst COVID-19, COVID and its Implications in Everyone's Life", published by The Central Law College, Salem, ISBN No.- 978-93-5265-308-9, Page No: 210– 222.
  4. Ankit Anand, MED-ARB: An efficacious Alternative Dispute Resolution or a potential disaster? Indian Perspective, Being a Professional Mediator, published by The National University of Advanced Legal Studies (NUALS), Kochi, ISBN No.- 978-81-956326-2-6, Page No: 124– 135.
  5. Neha Parveen, Effect of Covid 19 and Lockdown on the Crimes against Women- A Bluster on Gender Equality and Women Empowerment, Women Empowerment and Gender Justice in India, Reflections Printers and Publishers, Aligarh ISBN 9788194953951.

❖ **Book(s) Published**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost of the book		Name of the Publisher, country & Month of publication	Availability status
			Rs	\$		
1	Dr.Nazneen.M .Y	1. The Cry 2. Thiruvonavum Other Kavithagalum	100	12	AMAZON, INDIA, April Hyderabad Publishers	Online, Print on Demand

❖ **Details of Impact Factor of the Publication and H-Index of the department**

A) Range B) Average C) H-Index- 8 D) No. In Scopus - 5

❖ **Achievements of Faculty & non teaching staff**

S.No	Name of the Faculty/ Non teaching Staff	Type of Recognition/Award	Details of Awarding organization	Month & Year
1	Shaji.M	Resource Person	Infinity IAS Academy	10/11/2021

## CRESCENT SCHOOL OF PHARMACY

### ➤ Conferences / FDP / Seminars / Workshops Organized:

S. No	Name of the Programme	Type of Programme	Duration (From-To)	Details of Collaborating Agency	Details of Keynote Speakers	Details of Participants			
						BSACIST		Other Institution	
						Faculty	Students	Faculty	Students
1.	Beautiful Brain-Brain Awareness Week 2021	Awareness	7-10-2021 to 9-10-2021	IBRO	Dr.M.Ramanathan	15	210	5	66
					Prof.Zoltan				
					Prof. M. Vijayan				
					Dr.Muzaimi Mustafa				
2.	Breast Cancer Awareness Programme	Awareness	4 - 2 -2022	India Turns Pink	Dr.J.RadhaKrishnan IAS	100	300	Nil	Nil
					Ms.Rekha Nair				
					Dr.R.Suresh Kumar				
					Dr.,Sharmila Nagarajan				

➤ **Conferences / FDP / Seminars / Workshops Attended:**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1	Dr.Y.Ismail	Repurposing of Drugs	FDP	15-7-2021 to 17-7-2021	Sathyabhama Institute of Science and Technology	
		Pharma Industry 4.0	International Virtual Conference	16-7-2021 & 17-7-2021	Chettinad Academy	
		Drug Safety Monitoring and Transition of Care	FDP	27-7-2021 to 31-7-2021	AICTE	
		Beautiful brain- Brain Awareness Week 2021	Awareness week	7-10-2021 to 9-10-2021	Crescent School of Pharmacy, BSACIST	
		Recent Trends in Pharmaceutical Research	E- Conference	28-10-2021 and 29-10-2021	Nirmala College of Pharmacy	
		A Prospective Roadmap to the Academicians	FDP	3-10-2022 to 7-01-2022	AICTE	
		Indian Social Science Congress	Conference	28-3-2022 to 1-4-2022	BSACIST	
2	Dr.S.M.Shaheedha	Quality Attributes for the Strategic Improvement of Faculty Productivity	FDP	2-8-2021 to 7-8-2021	AICTE ATAL	
		ICT Tool for Research Teaching & Learning Process	Workshop	6-9-2021	Peoples University	



	Statistical Research and its Application in Pharmaceutical Research	STTP	20-9-2021 to 25-9-2021	Sri Venkateswara college of Pharmacy	
	Recent Advances in Spectrophotometric Analysis of Tablets and Capsules	STTP	26-9-2021 to 1-10-2021	Sri Venkateswara college of Pharmacy	
	Beautiful brain- brain awareness Week 2021	Awareness week	7-10-2021 to 9-10-2021	Crescent School of Pharmacy, BSACIST	
	Inculcating Human Values in Technical education	FDP	25-10-2021 to 29-10-2021	AICTE	
	Breast Cancer Awareness Programme	Awareness	4 -2 2022	Crescent School of Pharmacy, BSACIST	
	Indian Social Science Congress	Conference	28-3-222 to 1-4-2022	BSACIST	

➤ **Papers Published/ Presented In Journals & Conferences (July 2021-June 2022)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
	0	0	0	0	2	15		15

➤ **Details of Publication In National & International Journals & Conferences: (IEEE Format)**

**International Journal& National Journal**

**h) SCI/Scopus Indexed Journal**

**i) Other journals**

1. Ismail.Y et.al., Stability indicating RP-HPLC method for simultaneous Determination of Tamsulosin hydrochloride and Dutasteride in Bulk and its Pharmaceutical Dosagr Forms. Journal of Cardiovascular Disease Research. Vol12, Issue 5 2021
2. Ismail.Y et.al., Stability Indicating RP-HPLC method for Simultaneous Determination of Oxycodone and IbUPROFEN IN Bulk and its Dosage forms. Journal of cardiovascular Disease Research. Vol 12, Issue 5, 2021
3. Dharun P R et.al., Latentiated Prodrug Approach of Drugs: An Overview, International Journal of Applied Pharmaceutics, Vol 13, Issue6, 2021
4. S. Hameed Kadar Ali et.al., Antioxidants Supplementation in Acute Amitriptyline Abuse for pain, Applied Biochemistry and Biotechnology.
5. S M shaheedha et.al., Assessment of Prevalance of Hypertension in preganant women with its complications: a cross Sectional studt, Research Journal of Pharmacy and Technology., Vol 14, Issue 7, 2021
6. S M Shaheedha et.al., Role of Unani Medicines to treatment of Rhematoid Arthritis; An Review. International Journal of Phytopharmacy Research. Vol 13, Issue 1, 2022
7. Devi M et.al., Antiurolithiac Activity of various Extract of Azima Tetracantha in Ethylene Glycol Induced in rats, International journal of Biology, Pharmacy and Allied Sciences, 10 (7) 2274-2288, 2021
8. Davoodbasha Mubarak Ali et.al., An evidence of microalgal peptides to target spike protein of CoVID-19: In silico approach, Microbial Pathogenesis, 160 (2021) 105189
9. R A M Jainaf Nachiya et.al., Anti microbial and wound healing properties of leaf extracts of Spermacoce verticillata, Journal of Pharmaceutical Research International, 33 (%A): 191-197, 2021

10. RAM Jainaf Nachiya et.al., Studies on poly herbal Powder Shampoo for the treatment of Pediculosis Capitis and Pityriasis Capitis Infestations, International Journal of applied Pharmaceutics, ,2022, 127-131
11. RAM Jainaf Nachiya et.al., Caomparative study of semisolid bases of naproxen: Pharmaceutical Technology Aspects, International Journal of Applied Pharmaceutics,2022, 132-137
12. Mohammad Habeeb et.al., Development Chracterization and Molecular simulation studies of metoclopramide HCl and Tramadol HCl Bilayer tablets, RJPT, 15 (2) Feb 2022
13. Mohammad Habeeb et.al., Investigation of wrightia tinctoria extract activity on Alopecia using In-silico and In-vivo studies, RJPT 15 (2) Feb 2022
14. Mohammad Habeeb et.al., slow evaporation technique to grow 3-amino benzene sulfonic acid single crystal for Non-linear optical (NLO) transmission, Materials today proceedings
15. Mohammad Habeeb et. al., strategies of cell signaling and critical focus on Etiology of hepatocellular carcinoma, Biointerface research in Applied Chemistry, Vol12, Issue 4, 2022, 5187-5198.

➤ **Details of Major Equipment Purchased (Financial year 2020-21)**

S.No	Name of the Equipment	Make & Country	Date of purchase	Amount in Rs	Working Status	
					Yes	No
1	Autoclave	Equitrc	17.06.2022	128539.00	Yes	
2	Tablet disintegration Tester DT1000	India	02.05.2022	72675.00	Yes	
3	Tablet Friability tester FT 1020	India	02.05.2022	62557.00	Yes	
4	Binocular microscope	India	02.05.2022	55575.00	Yes	
5	Florimeter LH 330	India	07.05.2022	52668.00	Yes	

➤ **Book Published: Chapter**

S.No	Name of the Faculty	Name of the Book / Chapter Details	Cost		Name of the Publisher & country	Availability status
			Rs	\$		
1	Dr.S.M.Shaheedha	Applications of Nanoemulsion for the Wound healing Process	300	\$	IGI Global	Available

➤ **Patents (Obtained / Applied):**

S.No	Title	Details of Patents			Details of Financial Assistance from Institution
		Filed	Published	Granted	
1	Stability Indicating method development and validation of anticancer drug using RP-HPLC method	3.12.2021	4.2.2022	No	
2	Analytical method and system for the simultaneous estimation of Exketamine and Brexanolone	16.6.2022	24.6.2022	No	
3	A process of Green synthesis and Pharmacological evaluation of nanoparticles impregnated with manilkara zapota	23.10.2021	8.4.2022	Yes	
4	Delivery of nanocarrier and its recent advances in therapeutic efficacy towards osteosarcoma and overcome cancer drug resistance	3.02.2022	23.02.2022	Yes German	

## SCHOOL OF ARABIC AND ISLAMIC STUDIES

- **Financial Support for organizing Value added programme / Field visit / Workshop / FDP / Conference / Guest lecture / Professional Society Activities such as membership fees, organized events etc.**

Sl. No	Name of Activity	Duration	Details of financial support received from Institution	Remarks
1.	Fulbright Fellowships Awareness Programme	One day 22.04.2022	-	-

- **Conferences / FDP / Seminars / Workshops Attended**

S.No	Name of the faculty	Name of the programme	Type of Programme	Duration From - To	Organizing Agency	Details of Sponsorship amount received (Rs)
1.	Dr. P. S. Syed Masood Jamali	Trend & Development of Arabic Literature in the Gulf Countries "The Veil in Arab Gulf Poetry"	International Seminar	11.05.2022-12.05.2022	PG & Research Department of Arabic, Jamal Mohamed College (Autonomous), Tiruchirappalli.	Nil
2.	Dr. A. Abdul Hai	Islamic Banking Products & Services	Webinar	11.09.2021	School of Arabic & Islamic Studies, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai - 48.	Nil

3.	Dr. A. Abdul Hai	Techniques and Trends in Publishing Arabic Articles in Journals	FDP	04.10.2021	PG & Research Department of Arabic, Jamal Mohamed College (Autonomous), Tiruchirappalli.	Nil
4.	Dr. A. Abdul Hai	Arabic < > English Translation: Techniques and Prospects	Workshop	29.11.2021	P.G. & Research Department of Arabic, The New College, Chennai.	Nil
5.	Dr. A. Abdul Hai (Resource Person)	Islamic Academic Sciences	Workshop	26.02.2022-27.02.2022	Tamilnadu Muslim Educational Trust, Annai Khadeeja Arts and Science College for Women, Pudukottai, Tamilnadu.	Nil
6. 3.	Dr. S. Abdus Samad	Contribution of Sudan in Promoting Arabic Language to the Non-Arabs; Methodology and Technique	Webinar	31.07.2021	P.G & Research Department of Arabic, New College, Chennai.	Nil
7.	Dr. S. Abdus Samad	Islamic Banking Products & Services	Webinar	11.09.2021	School of Arabic & Islamic Studies, B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai - 48.	Nil
8.	Dr. S. Abdus Samad	Techniques and Trends in Publishing Arabic Articles in Journals	FDP	04.10.2021 – 06.10.2021	PG & Research Department of Arabic, Jamal	Nil

					Mohamed College (Autonomous), Tiruchirappalli.	
9.	Dr. S. Abdus Samad	Arabic Literature in the Levant Countries	Webinar	27.11.2021	Department of Arabic, University College, Thiruvananthapuram, Kerala, India.	Nil
10.	Dr. S. Abdus Samad	Arabic < > English Translation: Techniques and Prospects	Workshop	29.11.2021	P.G. & Research Department of Arabic, The New College, Chennai.	Nil
11.	Dr. S. Abdus Samad (Resource Person)	Islamic Academic Sciences	Workshop	26.02.202-27.02.2022	Tamilnadu Muslim Educational Trust, Annai Khadeeja Arts and Science College for Women, Pudukottai, Tamilnadu.	Nil
12.	Dr. S. Abdus Samad (Chair Person)	Trends and developments of Arabic Literature in the Gulf Countries	International Seminar	11.05.2022-12.05.2022	PG & Research Department of Arabic, Jamal Mohamed College (Autonomous), Tiruchirappalli.	Nil
13.	Dr. S.A. Usman Ali	Trend & Development of Arabic Literature in the Gulf Countries "The Veil in Arab Gulf Poetry"	International Seminar	11.05.2022-12.05.2022	PG & Research Department of Arabic, Jamal Mohamed College (Autonomous), Tiruchirappalli.	Nil
14.	Dr. S.A. Usman Ali	Leadership	FDP	01.06.2022	Crescent School of Busines, B.S. Abdur Rahman Crescent Institute of Science	Nil

					& Technology, Vandalur, Chennai - 48.	
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➤ **Papers Published/ Presented in Journals & Conferences (July 2019-June 2020)**

National Conference		International Conference		National Journal		International Journal		Total
With ISBN	Others	With ISBN	Others	SCI/Scopus Indexed	Others	SCI/Scopus Indexed	Others	
-	-	1	-	-	-	5	1	7

**3. Details of Publication in National & International Journals & Conferences: (IEEE Format)**  
**International Journal**

- 1) Dr. P. S. Syed Masood Jamali, Imam Ghazzali and his Criticism on Greek Philosophy of Theology, Al-Bukhari Journal of Arabic and Islamic Studies, Vol.-1, No.1, P. 80-86, 2022.
- 2) Dr. A. Abdul Hai, Adoption and Support for Orphans in the Perspective of Islam, Al-Bukhari Journal of Arabic and Islamic Studies, Vol.-1, No.1, P. 42-47, 2021.
- 3) Dr. A. Abdul Hai, The Status of the Noble Qur'an in Islamic Law, Al-Baas Al Islami, Volume: 68, Issue: 1, 2022.
- 4) Dr. S. Abdus Samad, "Role of Educational Institutions of B.S. Abdur Rahman in the Development of Arabic Language and Literature", Majalla al -Aasima, Vol. 13, Issue No. 1, P. 356 – 359, December 2021
- 5) Dr. S. Abdus Samad, Deteriorations of Alcohol and Drugs, its Effects and Ways of Getting Rid of them in the Light of Quran and Sunnah, Al-Bukhari Journal of Arabic and Islamic Studies, Vol.-1. P. 57-64, December 2021



- 6) Dr. S. Abdus Samad, The Specialties of the Prophet Mohammed (Peace Be Upon Him) and His Eminent Features in the World, Al-Baas Al Islami, Volume: 67, Issue: 10, P. 21-32, December 2021
- 7) Dr. S. Abdus Samad, World Peace in the Example of the Prophet Mohammed (Peace Be upon Him), Al-Baas Al Islami, Volume: 68, Issue: 2, P. 27-33, February 2022  
Khalid Waheed, “Manufacturer Optimal Stock Requirement and Production Rate to Maximise the Expected Profit During Peak Time”, *International Journal of Procurement Management (IJPM)*, Vol.13 No.2, pp.257 – 277, 2020. (Scopus Indexed)

### International Conference

- 1) Dr. A. Abdul Hai, Emergence of Social Values in Deewan al Hamasah, 45th Indian Social Science Congress, Organized by The Indian Social Science Academy (ISSA) & B.S. Abdur Rahman Crescent Institute of Science & Technology Vandalur, Chennai. 28 February – 04 March, 2022
- 2) Dr. S. Abdus Samad, Universality of Arabic Language, 45th Indian Social Science Congress, Organized by The Indian Social Science Academy (ISSA) & B.S. Abdur Rahman Crescent Institute of Science & Technology Vandalur, Chennai. 28 February – 04 March, 2022

### ➤ Achievements of Staff

S.No	Name of the Faculty/ non-teaching Staff	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Dr. P.S. Syed Masood Jamali	Chairman, Board of Studies (BOS) on Islamic Studies	Tamil Nadu open University, Chennai	July 2021
2.	Dr. A. Abdul Hai Nadwi	Member, Board of Studies (BOS), Islamic Studies	Manonmanium Sundaranar University, Tirunelveli	August 2021
3.	Dr. S. Abdus Samad	Member, Board of Studies (BOS), Dept. of Arabic	Manonmanium Sundaranar University, Tirunelveli	August 2021

➤ **Achievements of Students**

S.No	Name of the student	RRN	Type of recognition/Award Achieved	Details of Awarding organization	Month & Year
1.	Mohideen Abuthahir .R	190111601029	Chennai virtual Marathon 5 K Run-2021 / Awarded certificate of completion	Omega Events	August, 2021
2.			Independence Day virtual Marathon 5 K Run- 2021 / Awarded certificate of completion	Green fit Sports	August, 2021
3.			Olympic Celebration Marathon 5k Run 2021 / Awarded certificate of completion	Green fit Sports, Jaipur	September, 2021
4.			State Level Arabic (Oratorical) Competition Awarded 2 <sup>nd</sup> Place	Kulliyathu Salaam, Trichy	December, 2021
5.			District Level English (Oratorical) Competition Awarded certificate of Participation	State Minority Commission, Govt. of Tamil Nadu	March, 2022

